PROCEEDINGS

OF THE

MADRAS GOVERNMENT

IN THE

PUBLIC WORKS DEPARTMENT,

BUILDINGS AND ROADS BRANCH,

FOR THE

MONTH OF APRIL 1891.

Printed by Authority.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

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Erosion.—The measures adopted by the Superintending Engineer, IV Circle, for the protection of the coast near Cochin from —, approved with remarks.	24th April No. 1138 W.	...	13th Sept. 1890, No. 2453 W. 15th Oct. 1890, No. 4167 C. 21st Oct. 1890, No. 4296 C.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Sub-Divisional Workshops.—Agreeing with the Examiner of Public Works Accounts that the centage charges for works executed for the Public Works Department in — should have ceased from date of G.O., No. 2838 W., dated 27th October 1890.	1891. 24th April No. 1139 W.	...	24th Mar. 1891, No. 1682 C. 16th Feb. 1891, No. 431 W. 17th Jan. 1891, No. 261 C. 9th Sept. 1890, No. 3668 C. 17th July 1890, No. 1931 W. 24th Sept. 1889, No. 2671 W.
Ophthalmic Hospital, Madras.—Estimate amounting to Rs 16,328 for constructing wards for caste patients at the —, sanctioned.	24th April No. 1140 W.	...	......
Budget estimate of the Madras Harbour Works for 1891-92.—Ordered that the — be forwarded to the Government of India.	27th April No. 1152 W.	...	4th July 1887, No. 1774 W. 13th Mar. 1890, Nos. 819-20 W. 18th April 1891, No. 2158 C.
Forwarded	27th April No. 1153 W.	...	......
Vouchers.—Prescribing certain rules for the submission of certificates in lieu of missing —.	27th April No. 1154 W.	...	24th Jan. 1890, No. 243 W. 16th Dec. 1890, No. 3344 W.
Imprests.—Orders regarding the maintenance of separate — of Rs. 10 by upper subordinates not in charge of sub-divisions and for keeping the accounts of such imprests.	27th April No. 1156 W.	...	13th April 1891, No. 2054 C. 7th Jan. 1891, No. 68 C. 14th Oct. 1890, No. 2694 W. 12th Jan. 1888, No. 124 W.
Establishment required for the VI Circle.—The temporary — in 1891-92, sanctioned.	27th April No. 1157 W.	...	......
Famine Relief (Minor Irrigation Works) in the Saidápet taluk.—List of —, communicated to the Chief Engineer for Irrigation and the Superintending Engineer, V Circle.	27th April No. 1158 W.	...	1st April 1891, No. 903 W.
Police station-house at Rayagudi, Kistna District.—The retransfer of the — to the Police Department, sanctioned.	27th April No. 1159 W.	...	19th April 1890, No. 1151 W. 8th May 1890, No. 1309 W.
Public Works Workshops at Bezváda.—Passing orders regarding the adjustment of the pay of individuals continuously employed in workshops and certain officials of the — brought on the permanent establishment.	27th April No. 1161 W.	...	2nd Feb. 1891, No. 306 W. 11th Dec. 1889, No. 5800 C.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1891.		*(Continued).* 25th Mar. 1890, No. 1598 C. 28th Aug. 1890, No. 2412 C.
Location of various Public Works.—Proceedings, Local and Municipal Department, suggesting the best method of obtaining information required by the Government of India as to the —, ordered to be forwarded to that Government.	27th April No. 1164 W.	...	7th July 1884, Nos. 1684-85 W. 11th April 1890, No. 1093 W. 14th Jan. 1891, No. 110 W. 19th Mar. 1891, Nos. 805-806 W.
Forwarded	27th April No. 1165 W.	...	.....
Indents.—Despatch from the Secretary of State intimating that he has sanctioned compliance with certain —, communicated to officers concerned.	27th April No. 1166 W.	...	......
Road from Mudinapally bridge to Gudiváda, Kistna District.—Estimate of Rs. 30,350 for metalling the —, sanctioned.	29th April No. 1182 W.	...	......
Military Works Department.—Laying down the procedure to be adopted from 1st April 1891 in regard to the provision of funds and adjustment of expenditure incurred by the — on behalf of Provincial funds.	29th April No 1183 W.	...	28th May 1890, No. 1487 W. 22nd Aug. 1890, No. 2282 W. 9th Sept. 1890, No. 2422 W. 13th Sept. 1890, No 2461 W. 18th Nov. 1890, No. 3079 W. 24th Jan. 1891, No. 239 W. 26th Jan. 1891, No. 246 W.
Provincial Civil Works Budget for 1891-92.—Circulating the —.	30th April No. 1203 W.	...	4th Sept. 1890, No. 2381 W. 10th Dec. 1890, No. 5145 C. 6th Jan 1891, No. 47 C. 9th Jan. 1891, No. 92 W. 10th Feb. 1891, No. 733 C. 6th Mar. 1891, No. 644 W. 30th Mar. 1891, No. 893 W. 4th April 1891, No. 1883 C. 11th April 1891, Nos. 2032-33 C.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1891.		(*Continued*). 13th April 1891, No. 1033 W. 14th April 1891, No. 2082 C.
Copy of the above forwarded to the Government of India.	30th April No. 1204 W.	...	
General Hospital, Madras.—Estimates of Rs. 12,478 and Rs. 6,282 for improvements to the Resident Surgeon's and Sergeants' quarters at the —, sanctioned.	30th April No. 1205 W.	...	13th April 1891, No. 2076 C.
Police station at Settigunta, Pullampett Taluk, Cuddapah District.—Authorising to utilise the — as village chavadi.	30th April No. 1211 W.	...	......

PUBLIC WORKS DEPARTMENT,

BUILDINGS AND ROADS BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT,

FOR THE MONTH OF APRIL 1891.

General.
Account.

READ—the following papers :—

From Major D. McN. CAMPBELL, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepâk, 16th March 1891, No. 123 W.

I have the honor to forward an indent on the Director-General of Stores in England for cast iron gates, &c., required by the Consulting Architect to Government for Government House, Madras.

ENCLOSURE.

REPORT to accompany indent for stores required for Government House, Madras.

The cost of these gates and lamp pillars is included in the estimate sanctioned in G.O., No. 508 W., dated 21st February 1891. Gates of this description can be procured from England at a lower cost than can be manufactured in this country as they are stock patterns. If made here the cost of the pattern would be very great; besides ornamental castings are a speciality and they can be procured in England of a much better finish than they could be in India.

(Signed) H. IRWIN,
Consulting Architect to Government.

Office-note from the Examiner, Public Works Accounts, dated Madras, 25th March 1891, No. 1846/153.

The accompanying letter from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, No. 123 W., dated 16th March 1891, with an indent (No. 20 of 10th March 1891), for English stores, for transmission to the Secretary of State, is forwarded for necessary action.

2. I certify that funds to meet the estimated outlay in England in connection with this indent during the year 1891-92 will be provided by the local Government to the extent of £127-16-11 in the estimate of the Public Works Department for that year.

ORDER—dated 6th April 1891, No. 945 W., Public Works.

The indent will be forwarded to the Home Government for compliance.

(Here enter No. 946 W., dated 6th April 1891.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
,, Consulting Architect to Government.
,, Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 6th.

Recd. *Encl.*

G.O., 6th April 1891, No. 945 W.

APRIL.

Indent.

Order that the — for cast iron gates required for the Government House, Madras, be forwarded to the Home Government.

PUBLIC WORKS DEPARTMENT.

General,
Account.

LETTER—from

COLONEL J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE DIRECTOR-GENERAL OF STORES,
INDIA OFFICE,
LONDON.

SIR,

I am directed to forward, for favor of early compliance, an indent, in duplicate, for cast iron gates required for Government House, Madras.

2. The necessary certificate by the Examiner of Public Works Accounts is embodied in the Proceedings * of this Government forwarded herewith.

* No. 945 W., dated 6th April 1891.

(Here enter No. 947 W., dated 6th April 1891.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt, P.W.D.

OOTACAMUND,
6th April 1891.

ENDORSEMENT—dated 6th April 1891, No. 947 W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India.

(By Order.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 6th.

Recd. *Encl.*

6th April 1891, Nos. 946, 947 W.

APRIL.

Indent

Forwarding copy of Proceedings forwarding to the Home Government — for cast iron gates required for the Government House, Madras.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General,
Establishment.

Read—the following papers :—

From Lieut.-Colonel A. C. SMITH, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 8th January 1891, No. 1200 T.C.

Registers of letters, &c., received and despatched are being kept up in this office in demi-size leather-bound books, 4 quires each, for a long time or ever since the Superintending Engineers' and District Engineers' offices were formed; again one separate register is being mantained for each division or district in order that records of each division may be separate as directed in the Chief Engineer's No. 1125 of 28th March 1879. This system has been working well and without any difficulty.

2. Form No. M216B (lately received with Standing Order No. 295 of 6th June 1890) is a combined form of "register of letters issued and account of service postage labels" and appears to be intended for adoption by Superintending Engineers. So far as this office is concerned, I do not see the necessity for, or advantage to be gained by, introducing the form in place of the existing despatch registers which meet all purposes.

3. According to the new form it appears that one register is intended for the whole circle or for all divisions, &c. This will certainly quite upset the existing system in this office. The keeping up of a separate register for each division has several advantages, is more convenient and facilitates references, besides meeting the Chief Engineer's instructions quoted above.

4. The information required in columns 1 to 8 in the new form is given in the form now in use in this office; the information required in columns 9 to 12, "particulars of postage" in the former is, in my opinion, quite unnecessary in the register in question, especially as a separate account of postage labels is being kept up in form No. M216A containing all the particulars required by columns 9 to 12 in form No. M216B. The necesssity for these particulars being repeated in the despatch register I cannot see. It will only increase the work of the despatching clerk unnecessarily and without resulting in any advantage.

5. The registers should be in strong leather-bound books of good strong paper as they are being constantly handled. About one book of the kind mentioned in para. 1 above is being used in this office each year for each division. The books supplied by the Examiner, Public Works Accounts, are marble-bound, containing each 1 quire of thin, probably printing, paper of foolscap size. This sort of book will never do for this office.

6. Under the circumstances stated above, I have the honor to state that I have not introduced in my office the form in question (No. M216B), which, I beg to observe again, is quite unnecessary.

7. In conclusion I respectfully beg to submit that it would have been advisable if the form in question before its issue for adoption had been circulated to Superintending Engineers and Executive Engineers for their opinion.

Office-note from the Examiner of Public Works Accounts, dated Madras, 19th March 1891, No. 1680.

[Your office-note No. 291 C., dated 17th January 1891.]

The combined form of "register of letters issued and account of service postage labels" (Public Works Department form M216B) was prepared for the use of small offices at the instance of the Executive Engineer, Tinnevelly division, who stated that a register of this kind would be the means of saving both labor and stationery and Government approved of the introduction of this form in G.O., No. 1080 W., of 11th April 1890. If, however, the Superintending Engineer, VI Circle, finds that the form is not suitable for his office, there seems to be no particular objection to his maintaining separate registers of "letters issued" and "account of service postage labels" (Public Works Department form M216A) according to the practice in large offices.

2. There seems, however, to be no reason why the Superintending Engineer should not keep separate registers (in the prescribed combined form) for separate divisions and bring out the total expenditure of stamps in one of the registers by adding at the foot of the entries in that register the amounts as per the other registers.

ORDER—dated 6th April 1891, No. 948 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, who is at liberty to maintain existing arrangements in his office.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 6th.

Recd. *Encl.*

G.O., 6th April 1891, No. 948 W.

APRIL.

Registers of letters, &c.

The Superintending Engineer, VI Circle, permitted to maintain existing arrangements in his office for keeping separate —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Etablishment.

READ—the following papers :—

From G. H. D. WALKER, Esq., Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, the 27th February 1891, No. 592 G.

With reference to the orders of the Government of India granting special leave to Colonel H. M. Vibart, R.E., Superintending Engineer, as contained in Public Works Department telegram No. 453 G., dated 21st October 1890, I am directed to point out that when Colonel Vibart's furlough is commuted or merges into special leave, the temporary promotions made in consequence of his absence on furlough to the classes above the third class of Superintending Engineer must cease, inasmuch as one of the conditions under which special leave is allowed to surplus officers is that no extra expense should be incurred beyond what is necessary to fill up the sanctioned number of appointments of the Superintending Engineer class, and this condition is sufficiently met by a promotion to the third class. This course, I am to add, has always been followed in the lists under the Government of India.

G.O., dated 20th March 1891, No. 1719, Military.

Read—the following extract from a Military Despatch from the Right Honorable the Secretary of State for India, No. 5, dated 19th February 1891.

* * * * *

Para. 6. The three months' special leave granted by your Government to Colonel H. M. Vibart, R.E., is merged in the six months' extension granted him here on medical certificate before the receipt of your Secretary's letter No. 3392 W. of 19th December 1890. His extended furlough will now expire on 28th August 1891.

* * * * *

Order—dated 20th March 1891, No. 1719, Military.

Communicated to the Public Works Department with reference to G.O.G. No. 61 of 1891.

(True Extract.)

(Signed) A. KENNEY HERBERT, Brigdr.-Genl.,
Secretary to Government.

Office-note from the Examiner, Public Works Accounts, dated 23rd March 1891, No. 1760.

Order—dated 6th April 1891, No. 949 W., Public Works.

Recorded with reference to G.O. No. 682 W., dated 10th March 1891.

2. In the circumstances stated in the Secretary of State's despatch no action will be necessary with respect to the instructions in the Government of India letter above recorded.

3. A copy of these Proceedings will be forwarded to the Government of India for information.

(Here enter No. 950 W., dated 6th April 1891.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Examiner, Public Works Accounts.

Endorsement—dated 6th April 1891, No. 950 W., Public Works.

Forwarded.

(By Order.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 6th.

Recd. *Encl.*

G.O., 6th April 1891, Nos. 949, 950 W.

APRIL.

Colonel H. M. Vibart, R.E.

Furnishing copy of orders regarding the temporary promotions made in the room of — while on furlough.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper:—

Office-note from the Examiner, Public Works Accounts, dated Madras, 18th March 1891, No. 1647.

In continuation of my office-note No. 6895, dated 22nd November 1890, I beg to submit a list of vouchers long overdue on the 15th of January 1891.

2. The list includes (1) vouchers of the accounts for April 1890 (and previous months) never received at all from the Executive Engineer concerned, and (2) vouchers for March 1890 (and previous months) which have at some time been received from the Executive Engineer, but have been returned to him for correction, completion, &c., and have never been returned.

3. All the old vouchers due from the Ganjam division have been received, but 29 vouchers are still due from No. I Periyár division against 33 entered in last report. The Executive Engineer in November last promised to obtain orders of Government regarding vouchers that cannot be obtained, but I have not heard anything further on the subject.

4. I take this opportunity of submitting a comparative statement showing quarter by quarter the number of long overdue vouchers reported for each division since the quarterly reports began. Leaving out of account the Ganjam and No. I Periyár divisions, in which special causes have been at work, and leaving out of account also the Nílgiri, Presidency and Ramnad divisions now abolished, it will be seen that there are a few divisions which contribute a good deal more than their fair share of the quarterly totals. There are twelve divisions which have never figured in those reports at all, and six others for which, taking them all together, are only responsible for 9 vouchers in 7 quarters; and I think that a little more attention to the matter in a few other divisions and the more extended adoption of the practice of sending cheques for delivery through subordinates instead of sending them direct by post to the payees would very soon reduce the number of long overdue vouchers to very insignificant proportions.

Enclosures.

Statement of vouchers long overdue on the 15th of January 1891, with Executive Engineer's explanation (when received) and the Examiner's remarks.

N.B.—In column 5 "No" means that the voucher has never been received at all from the E.E., and "R" means that it was returned to him after receipt for correction, &c., and has not been sent back.

Serial number.	Month to which voucher relates.	Central office voucher number.	Amount of voucher.	Whether vouchers were ever received or not.	Executive Engineer's explanation and remarks by Superintending Engineer (if any).	Examiner's remarks.	Orders of Government.
1	2	3	4	5	6	7	8
			RS. A. P.		*Coimbatore.*		
1	June 1890 ..	125	3,284 0 0	No	The Executive Engineer reported that the amount was paid by Mr. Saldana, Supervisor when in charge of the Erode Sub-division, to a contractor for annual clearance of Kalingaroyen channel and that, as the payment had not been passed by him, it was under reference and that the voucher would be submitted as soon as the disputed payment was settled (No. 7142). The Executive Engineer subsequently reported that the voucher had been forwarded to the Superintending Engineer with his letter, No. 5397, dated 14th November 1890.	The voucher has not been received up to date. The Superintending Engineer will be specially addressed on the subject.	The result of the Examiner's reference to the Superintending Engineer is awaited.
					North Arcot.		
2	February 1890 ..	12	2 8 0	R	The Executive Engineer states that the voucher was sent with the accounts on 20th March 1890.	Item 2 (see item 8 of last report). The voucher was submitted by the Executive Engineer, but was returned to him after receipt for correction and has not been resubmitted.	The voucher should be corrected and returned to the Examiner without delay.
3	March 1890 ..	284	64 10 0	No	The Executive Engineer states that the voucher was sent on 12th September 1890 with 6 other vouchers.	Item 3 (see item 10 of last report). The voucher does not appear to have reached this office. The Executive Engineer's attention has been called every month to its absence.	The Superintending Engineer will inquire into this matter and submit a special report thereon.
4	June 1890 ..	18	208 15 7	..	The Executive Engineer states that the voucher will be sent shortly.	Items 4 to 6. The Executive Engineer's attention has been called every month to the absence of these vouchers.	The submission of these vouchers should be expedited.
5	....	132	350 4 6	..	Do. do. do. ..		
6	....	203	56 12 11	..	Do. do. do. ..		
					Periyár No. II.		
7	July 1890 ..	24	100 0 0	..	The Executive Engineer states that the voucher has not yet been received and that a reminder has been sent.	The Executive Engineer's attention has been called every month to the absence of this voucher.	The submission of this voucher should be expedited.
					South Arcot.		
8	November 1889 ..	145	98 8 2	..	No explanation furnished by the Executive Engineer.	Voucher not yet recevied. Executive Engineer's attention called every month to the absence of the voucher.	(Items 8 to 19). The Superintending Engineer will report the cause of delay in the submission of these vouchers.

9	April 1890 ..	263	30	0	0	No	No explanation furnished by the Executive Engineer.	The Executive Engineer's attention has been called every month to the absence of these vouchers.	
10	May ,, ..	261-A.	75	12	0	..			
11	June ,, ..	27	236	9	0	..			
12	....	39	155	0	0	..			
13	....	150	0	0	1	..			
14	....	126	69	9	4	..			
15	June 1890 ..	128	14	11	3	R			
16	....	171	521	0	11	..			
17	....	167	2	5	2	..			
18	July 1890 ..	3	1	9	6	No			
							Vizagapatam.		
19	March 1890 ..	117	767	4	8	..	The Executive Engineer in his No. 2133, dated 1st January 1891, states that these are still due from the Koraput sub-divisions; certificates were received in lieu of original vouchers, but duplicates have been called for and they will be sent as soon as received.	The vouchers have not yet been received.	The submission of the duplicate certificates should be expedited.
20	....	120	57	14	1	..			
21	....	180	6	0	3	..			
							West Coast.		
22	June 1890 ..	36	158	6	11	No	The Executive Engineer states that the voucher has been sent to contractor for signature and is still awaited.	The Executive Engineer's attention has been called every month to the absence of these vouchers.	The submission of these vouchers should be expedited.
23	....	78	558	0	1	..	The Executive Engineer states that the vouchers will follow shortly.		
24	....	92	134	5	7	..			
							Periyár No. I.		
25	....	..	..			..	See item 57 of last report	Please see item 57 of last report. Twenty-nine (29) old vouchers are still due for this division, of which one was returned after receipt for correction and 28 never received at all.	The Superintendent of Works will report whether these vouchers are likely to be forthcoming.

Statement showing number of vouchers relating to each division reported each quarter.

Item number.	Division.	Quarter ending 15th July 1889.	Quarter ending 15th October 1889.	Quarter ending 15th January 1890.	Quarter ending 15th April 1890	Quarter ending 15th July 1890.	Quarter ending 15th October 1890.	Quarter ending 15th January 1891.
1	2	3	4	5	6	7	8	9
1	Ganjam	24	151	49	72	82	24	..
2	Vizagapatam	..	..	..	..	..	5	3
3	Rushikulya	2	..	3	..	..	..	..
4	Eastern Godávari	..	..	..	..	..	..	..
5	Western Godávari	..	..	..	..	..	..	..
6	Eastern Kistna	2	..	1	1	1	..	..
7	Western Kistna	..	..	..	..	..	..	..
8	Gudiváda	..	..	..	..	..	1	..
9	Nellore	..	..	..	..	..	..	..
10	Buckingham Canal	1	..	..	..	..	..	..
11	Bellary	..	..	..	..	1	3	..
12	Cuddapah	..	..	..	..	..	..	..
13	Kurnool	6	4	3	1	1	1	..
14	Coimbatore	..	..	..	..	..	..	1
15	West Coast	..	..	..	..	4	6	3
16	North Arcot	..	..	..	4	2	13	5
17	South Arcot	..	1	9	5	5	3	11
18	Chingleput	..	..	..	..	..	..	..
19	Workshops (Presidency)	..	..	1	1	..	..	..
20	Stores (Presidency)	..	..	..	..	..	..	..
21	Trichinopoly	..	..	..	..	..	..	..
22	Tanjore	..	..	..	..	..	..	..
23	Negapatam	..	..	..	..	..	..	..
24	Madura	1	..	1	..	..	..	..
25	Tinnevelly	..	..	..	..	..	..	..
26	Consulting Architect	..	..	..	..	..	..	..
27	Periyár No. I	171	496	310	410	337	33	29
28	Do. No. II	1	..	..	..	..	..	1
29	Nílgiri	..	..	..	1	..	Division abolished in April 1890.	
30	Presidency	7	3	1	5	4	Division taken over by Military Works Branch in January 1890.	
31	Ramnad	..	1	Division ceased to exist in October 1889.				

Madras,
18th March 1891.

(Signed) C. H. P. CHRISTIE, Major, R.E.,
Examiner of Public Works Accounts, Madras.

Order—dated 6th April 1891, No. 952 W., Public Works.

Communicated to officers concerned in continuation of G.O., No. 3205 W., dated 4th December 1890.

2. The Superintendent of Works, Periyár Project, will submit for orders a list of the vouchers which cannot be obtained.

3. The statement referred to in para. 4 of the Examiner's note will be printed for the information of Superintending Engineers.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Superintendent of Works, Periyár Project.
„ Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

From J. W. MARTIN, Esq., Officiating Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 7th March 1891, No. 1591 T.C.

In forwarding copy of letter No. 735 S.E., dated 6th March 1891, from the Executive Engineer, Trichinopoly division, asking me to sanction the carriage of his horse and camp equipage by rail from Trichinopoly to Kumbakónam, Tanjore district, I have the honor to explain that I cannot give my sanction, for Kumbakónam is now outside the limits of this circle, but I recommend that the carriage of the horse and camp equipage by rail should be sanctioned by you, for it is a long and tedious journey to march by road from Trichinopoly to the Lower anicut chiefly on account of it being necessary to cross unbridged rivers and drainage streams. In fact, in the wet weather, or if there is heavy rain, it is almost impossible to make the journey by road.

2. Under these circumstances, I would suggest that special permission should be given to the Superintending Engineer, VI Circle, to sanction journeys by rail to the stations of the South Indian Railway convenient to the works in the Trichinopoly division lying along the left or north bank of the Coleroon river, and that the Superintending Engineer himself should be permitted to travel by rail when he requires to inspect works in the same locality.

ENCLOSURE.

COPY of letter from the Executive Engineer, Trichinopoly division, to the Superintending Engineer, VI Circle, dated 6th March 1891, No. 735 S.E.

I have the honor to request that you will be so good as to accord your sanction, under para. 546 of Public Works Code, for carrying my horse and camp equipage by rail from Trichinopoly to Kumbakónam with a view to my inspecting works about the Lower anicut in Udayárpaliam taluk.

From the Examiner of Public Works Accounts, dated 24th March 1891, No. 1818.

There is no objection to Government giving a general sanction as regards journeys between Trichinopoly and Lower anicut *via* Kumbakónam, but it might perhaps save trouble if the Government of India were moved to rule that in all such cases, *i.e.*, when without unnecessary halts (which would be checked by the controlling officer) an officer merely crosses a tongue of a district beyond his jurisdiction, the movement beyond jurisdiction might be ignored.

ORDER—dated 6th April 1891, No. 956 W., Public Works.

The general question raised in the Examiner's note will be submitted for the consideration of the Government of India, pending whose orders the proposal in para. 2 of the Superintending Engineer's letter is sanctioned.

(Here enter No. 957 W., dated 6th April 1891.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

ENDORSEMENT—dated 6th April 1891, No. 957 W., Public Works.

Copy of the above forwarded to the Government of India for consideration and orders.

(By Order.)

(Signed). J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 6th.

Recd. *Encl.*

G.O., 6th April 1891, Nos. 956 W., 957 W.

APRIL.

Journeys beyond Jurisdiction

Submitting, for consideration, the question raised by the Examiner, Public Works Accounts, regarding —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

Endorsement from the Superintending Engineer, V Circle, dated 4th April 1891, No. 162 W.

Abstract.—Forwarding a special indent on the Home Government for certain stores emergently required for the Periyár Project works.

Office-note from the Examiner, Public Works Accounts, dated Madras, 6th April 1891, No. 2040/153.

The accompanying letter from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, No. 162 W., dated 4th April 1891, with an indent (No. 1 of 4th April 1891), for English stores, for transmission to the Secretary of State, is forwarded for necessary action.

2. I certify that funds to meet the estimated outlay in England in connection with this indent during the year 1891-92 will be provided by the local Government to the extent of £133-2-0 in the estimate of the Public Works Department for that year.

Order—dated 7th April 1891, No. 969 W., Public Works.

The indent will be forwarded to the Home Government for compliance.

(Here enter No. 970 W., dated 7th April 1891.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
„ Superintendent of Works, No. I Periyár.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1891, No. 969 W.

APRIL.

Indent.

Ordered that the — for stores required for the Periyár Project works be forwarded to the Home Government.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from

Colonel J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The DIRECTOR-GENERAL of STORES,
India Office,
London.

Sir,

I am directed to forward, for favor of very early compliance, an indent, in duplicate, for stores required for the Periyár Project works.

2. The necessary certificate by the Examiner, Public Works Accounts, is embodied in the Proceedings * of this Government forwarded herewith.

* No. 969 W., dated 7th April 1891.

(Here enter No. 971 W., dated 7th April 1891.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

Ootacamund,
7th April 1891.

Endorsement—dated 7th April 1891, No. 971 W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India.

(By Order.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

7th April 1891, Nos. 970, 971 W.

APRIL.

Indent

Forwarding copy of — for stores required for the Periyár Project works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

G.O., dated 13th March 1891, No. 200, Public.

Read—the following letter from the Surgeon-General with the Government of Madras, dated 10th February 1891, No. 113:—

With reference to G.O., No. 2238 W., Public Works, dated the 18th August 1890, I have the honor to submit revised plans and estimates, amounting to Rs. 5,365, for constructing a fire-engine shed, a retiring room for lady students and a latrine for native patients at the General Hospital, Madras, and to request that Government will be pleased to sanction the same.

2. The necessity for revising the plans and estimates is explained in the enclosed letters from the Consulting Architect and the Senior Medical officer, General Hospital.

Order—dated 13th March 1891, No. 200, Public.

The revised estimates for additions to the General Hospital are approved and will be transferred to the Public Works Department with reference to G.O., No. 2238 W., dated 18th August 1890.

2. The Surgeon-General will be requested to specify the "other works" in the hospital for which it is proposed to utilize the difference between the amounts of the original estimates and of those now sanctioned.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

Order—dated 8th April 1891, No. 981 W., Public Works.

The revised estimate, amounting to Rs. 5,365, for additions to the General Hospital, Madras, is sanctioned in supersession of the estimate of Rs. 8,990 sanctioned in G.O., No. 2238 W., dated 18th August 1890.

2. The report called for in para. 2 of the Proceedings above recorded is awaited.

3. This sanction has been registered as Provincial No. 1 W. of 1891-92 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with seven enclosures.
" Examiner, Public Works Accounts.
" Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 8th.

Recd. *Encl.*

G.O., 8th April 1891, No. 981 W.

APRIL.

General Hospital, Madras

The revised estimate of Rs. 5,365 for additions to the —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers:—

From the Superintending Engineer, III Circle, dated 18th October 1890, No. 2068.

REVISED statement of proposition for temporary establishment required for the III Circle during the year 1891-92.

Order sanctioning present establishment. No.	Order sanctioning present establishment. Date.	Office to which the proposition relates.	Nature of change. Present scale. Number.	Present scale. Designation.	Present scale. Pay. Minimum.	Present scale. Pay. Increment.	Present scale. Pay. Maximum.	Present scale. Pay. Average or fixed.	Proposed scale. Number.	Proposed scale. Designation.	Proposed scale. Pay. Minimum.	Proposed scale. Pay. Increment.	Proposed scale. Pay. Maximum.	Proposed scale. Pay. Average or fixed.	Proposition. Permanent. Increase per month. Amount.	Permanent. Decrease per month. Amount.	Temporary. Increase per month. Period.	Temporary. Increase per month. Amount.	Temporary. Decrease per month. Period.	Temporary. Decrease per month. Amount.	Remarks.
					RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.	
				Temporary establishment.																	
1123 W.	16th April 1890.	Kurnool ..	3	Irrigation superintendents.	40×3	..	..	120	3	Irrigation superintendents.	40×3	..	..	120	..	..	..	..	..	..	
			3	Lascars for do. ..	6×3	..	..	18	3	Lascars for do. ..	6×3	..	..	18	..	..	..	..	..	..	
		S.E.'s office ..	1	Sweeper, Circle office ..	2	..	..	2	1	Sweeper, Circle office ..	2	..	..	2	..	..	..	..	..	..	
		Bellary ..	1	Do. Bellary division.	2	..	..	2	1	Do. Bellary division.	2	..	..	2	..	..	..	..	..	..	
		Kurnool ..	1	Do. Kurnool do.	1	..	..	1	1	Do. Kurnool do. ..	1	..	..	1	..	..	..	..	..	..	
		Bellary ..	6	Watchmen	5×6	..	..	30	6	Watchmen	5×6	..	..	30	..	..	..	..	..	..	
		Cuddapah ..	6	Do.	5×6	..	..	30	7	Do.	5×7	..	..	35	..	..	*12	60	..	..	Watchers for famine tools.
		Kurnool ..	4	Do.	5×4	..	..	20	3	Do.	5×3	..	..	15	..	..	..	..	12	60	

* It is proposed to keep all tools at Gurramkondah in future. It is thought two watchmen should be employed there.

No. 3422.

Forwarded to the Chief Engineer, Public Works Department, with reference to his memo. No. 986 C., dated 21st February 1891.

BELLARY,
7th March 1891.

(Signed) H. SMALLEY, Col., R.E.,
Superintending Engineer, III Circle.

From the Examiner, Public Works Accounts, dated 23rd March 1891, No. 1759.

Order—dated 8th April 1891, No. 982 W., Public Works.

The temporary establishment required for the III Circle during 1891-92, as detailed in the statement submitted by the Superintending Engineer with his No. 3422, dated 7th March 1891, is sanctioned.

2. This sanction has been registered as Provincial No. 3 W. of 1891-92 and classified as Establishment, Temporary.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.

GENERAL
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 8th.

Recd. *Encl.*

G.O., 8th April 1891, No. 982 W,

APRIL.

Temporary Establishment

The — required for the III Circle during 1891-92 sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From J. HANNAN, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Bezváda, 17th February 1891, No. 625 N.L.

I have the honor to forward, herewith, a statement of proposition for revision of permanent establishment—water regulation establishment—of the Pennér anicut system at Nellore for your approval and sanction of Government.

2. The increase now applied for is only Rs. 7½, which is due to the salaries of the Anicut and Delta Superintendents' clerks being proposed to be graded (instead of being fixed as they now are) like those of the clerks allowed for the Sangam anicut. I request that the necessary provision be made in the final issue of the Provincial budget for 1891-92.

ENCLOSURE.

PENNER ANICUT SYSTEM.

STATEMENT of proposition for revision of permanent establishment for 1891-92 in the II Circle.

Order sanctioning the present establishment. Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of change.												Proposition.						Remarks.
			Present scale.						Proposed scale.						Permanent.		Temporary.				
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
				Water regulation establishment.	RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.	
Provincial budget for 1890-91, page 31.		Nellore division.	1	Delta superintendent ..	..	..	..	70	1	Delta superintendent ..	..	..	..	70	..	..	..	..	..	..	
			1	Anicut do. ..	..	..	..	60	1	Anicut do. ..	..	..	..	60	..	..	..	..	..	..	
			1	Clerk	..	..	..	15	1	Clerk	15	1	20	18¾	3¾	..	..	..	..	..	
			1	Do.	..	..	..	10	1	Do.	10	1	15	13¾	3¾	..	..	..	..	..	
			1	Lascar	..	..	..	7	1	Lascar	..	..	..	7	..	..	..	..	..	..	
			17	Lascars, at Rs. 6 ..	..	..	..	102	17	Lascars, at Rs. 6 ..	..	..	..	102	..	..	..	..	..	..	
			4	Do. at ,, 5 ..	..	..	..	20	4	Do. at ,, 5 ..	..	..	..	20	..	..	..	..	..	..	
			26	Total ..	..	..	..	284	26	Total ..	..	..	..	291½	7½	..	..	..	..	..	

BEZVADA,
17th February 1891.

(Signed) J. HANNAN,
Superintending Engineer, II Circle.

From the Examiner, Public Works Accounts, dated 5th March 1891, No. 1330.

Order—dated 8th April 1891, No. 983 W., Public Works.

The proposal of the Superintending Engineer, II Circle, to grade the clerks attached to the Pennér anicut system at Nellore, is sanctioned.

2. The clerks attached to the water regulation establishments of the Kistna delta, Sangam anicut and Pennér anicut systems have now been graded, and it only remains to grade those of the Godávari delta system. The Superintending Engineer, I Circle, will submit the necessary proposition statement.

3. The sanction accorded in para. 1 of these Proceedings has been registered as Provincial No. 4 W. of 1891-92 and classified as Establishment, Permanent.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " " II "
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 8th.

Recd. *Encl.*

G.O., 8th April 1891, No. 983 W.

APRIL.

Clerks

The proposal to grade the — attached to the Pennér anicut system at Nellore sanctioned, and the Superintending Engineer, I Circle, directed to submit the necessary proposition statement for grading the clerks of the Godávari delta system.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From W. P. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 25th March 1891, No. 2212.

I have the honor to submit, for the information of Government, a copy of the Board's resolution No. 5, dated 24th March, together with indent, in triplicate, for stores required for the Harbour Works and request that it may be transmitted to the Right Honorable the Secretary of State for India for compliance.

ENCLOSURE.

EXTRACT of Proceedings of the Trustees of the Harbour of Madras at a meeting held at the Offices of the Sea Customs on Tuesday, the 24th day of March 1891.

* * * * *

5. Examined indent from the Board's Engineer, No. 1538, dated 21st March, for stores required from England for the Madras Harbour Works.
Resolved that this indent be submitted to Government.

* * * * *

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

Transferred to the Public Works Department.

(Signed) J. F. PRICE,
Chief Secretary.

1st April 1891.

ORDER—dated 9th April 1891, No. 996 W., Public Works.

The indent will be forwarded to the Home Government for compliance.

(Here enter No. 997 W., dated 9th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chairman, Madras Harbour Trust Board.
„ Marine Department.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 9th.

Encl.

Recd.

G.O., 9th April 1891, No. 996 W.

APRIL.

Indent

Ordered that the — for stores required by the Madras Harbour Trust Board be forwarded to the Home Government.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

LIEUT.-COLONEL A. C. SMITH, R.E.,
Ag. Joint Secretary to the Government of Madras,
Public Works Department,

To

THE DIRECTOR-GENERAL OF STORES,
INDIA OFFICE,
LONDON.

SIR,

I am directed to forward, for favor of compliance, an indent for stores required by the Madras Harbour Trust Board.

(Here enter No. 998 W., dated 9th April 1891.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

OOTACAMUND,
9th April 1891.

ENDORSEMENT—dated 9th April 1891, No. 998 W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India for information.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated *April, 9th.*

Recd. *Encl.*

9th April 1891, Nos. 997, 998 W.

APRIL.

Indent

Forwarding copy of — for stores required by the Madras Harbour Trust Board.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 2nd April 1891, No. 2119, Revenue.

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 7th March 1891, Mis. No. 1529 :—

Read—the following letter from the Collector of Kistna, dated 5th February 1891, Extra No. 8 :—

I have the honor to request the sanction of the Board and Government for the erection of a new taluk cutcherry at Bápatla.

2. Various endeavours have been made to patch up the old building, but without success. Last year the Executive Engineer was requested to estimate for the improvement of the treasury, a room 12′ 6″ × 10′, which, contrary to the rules for safety, has a window in the outer wall, and also to issue the usual certificate as to the safety of the place. The Executive Engineer (copy of letter, No. 278, dated 3rd July 1890, enclosed) declined to give any certificate and said that the walls were so soft that he could bore into them with a pencil, that the iron bars were too thin, and that, in short, it was impossible to alter the treasury so as to make it safe. He remarked that a new cutcherry was "very badly required" and that the treasury could be used in the *interim* on an old certificate given by a predecessor of his—the date not given.

3. I then requested the Superintending Engineer to let me have a report on the general condition of the building as I was aware the roof was in an unsound condition. Mr. Hannan has forwarded the Executive Engineer's report No. 398, dated 13th November 1890 (copy with enclosure forwarded). It will be seen that the building generally is too dilapidated to be repaired. The rafters and the reapers are of palmyras, or of split bamboo, all more or less rotten; the roof leaks; the tiles threaten to fall; and some of the walls are cracked from top to bottom.

4. The only sound buildings are the prison wards and out-houses, the materials of which could be used again.

5. The site of the present building is quite insufficient and a new one must be selected. There will be no difficulty about this, but I will inspect the spot again before a final decision is made.

Resolution—dated 7th March 1891, Mis. No. 1529.

Submitted to Government with the recommendation that sanction be accorded for the construction of a new taluk cutcherry at Bápatla according to the standard design now under revision.

2. The Collector should report how he proposes to dispose of the present building and site when vacated.

Order—dated 2nd April 1891, No. 2119, Revenue.

The construction of a new taluk cutcherry at Bápatla is sanctioned.

2. Orders will issue in the Public Works Department for the preparation of the necessary plans and estimates.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 9th April 1891, No. 1000 W., Public Works.

Communicated to the Superintending Engineer, II Circle, who will, on receipt of the revised type design now under preparation, submit an estimate for building a new taluk cutcherry at Bápatla.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 9th

Recd. *Encl.*

G.O., 9th April 1891, No. 1000 W.

APRIL.

Taluk Cutcherry at Bapatla, Kistna, District

The Superintending Engineer, II Circle, directed to submit an estimate for building a new —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 23rd March 1891, No. 2020, Revenue.

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 6th March 1891, Mis. No. 1465 :—

Read—the following letter from A. T. ARUNDEL, Esq., Collector of Kistna, dated 12th February 1891, Extra No. 16 :—

I have the honor to report that, at my inspection of the office of the Town Sub-Magistrate of Guntúr at the close of last year, I found the building in a dilapidated condition and requested the Engineer to report upon it. The letters of the Superintending and Executive Engineers are enclosed and it will be seen that, as was unavoidable, they condemn the building and consider that a new one should be built.

2. Although the Sub-Magistrate could make shift to hold office in the building as long as it holds together, it will be seen from the enclosed plan that it is out of the question to build another office in the same cramped yard where even space for necessary offices is wanting.

3. I consider that, instead of building a new office for the Town Sub-Magistrate, that officer should be moved into the present taluk cutcherry and the opportunity taken to provide a proper taluk cutcherry for the Tahsildar.

4. I enclose two plans, one of the taluk cutcherry and the other of its position with regard to adjacent buildings. It will be seen that the cutcherry is one of the old-fashioned square buildings with an opening in the middle, which is now half filled by a building 16½′ × 9′, used as the treasury. The records are cramped and the Taluk sub-Magistrate tries his cases in a narrow room shut off from the rest of the building. The sub-jail wards are of modern type, but, as will be seen from the second plan, the cutcherry has no compound and the prisoners are taken for cooking and for purposes of nature to buildings that lie close to the high road in an open space over which there is constant traffic by the public in every direction.

5. The arrangements for prisoners are open to serious objection and the main building is exceedingly inconvenient as a taluk cutcherry for a Tahsildar and his full complement of clerks. A new building must be erected and the Town Sub-Magistrate may therefore be transferred to the present taluk cutcherry and the new offices built for the Tahsildar and his staff.

6. An excellent site for the taluk cutcherry can be obtained opposite the new suburb, which is springing up under careful supervision beyond the railway station.

Resolution—dated 6th March 1891, Mis. No. 1465.

The Collector's letter and its accompaniments will be submitted for the orders of Government.

2. From these papers it will be seen that the Town Sub-Magistrate's office at Guntúr is unsafe and that the Tahsildar's office is altogether unsuited for present requirements. The Collector accordingly proposes to build a new office for the

Tahsildar and transfer the Sub-Magistrate to the present Taluk office. The Board approves these proposals and submits them for the sanction of Government. An excellent site is reported to be available for the building opposite to the new suburb now springing up beyond the railway station.

3. The Board presumes that the present Tahsildar's cutcherry is the property of Government. If so, the Collector will be requested to report how he would dispose of it after it has been vacated.

Order—dated 23rd March 1891, No. 2020, Revenue.

The Collector's proposals, supported by the Board of Revenue, are approved. Orders will issue in the Public Works Department for the preparation of plans and estimates for a new Taluk office at Guntúr.

2. The reference to Tahsildar's cutcherry in para. 3 of the Board's Proceedings is evidently a mistake.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 9th April 1891, No. 1001 W., Public Works.

Communicated to the Superintending Engineer, II Circle, who will, on receipt of the revised type design now under preparation, submit an estimate for a new taluk cutcherry at Guntúr.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 9th.

Recd. *Encl.*

G.O., 9th April 1891, No. 1001 W.

APRIL.

Taluk Cutcherry at Guntur, Kistna District

The Superintending Engineer, II Circle, directed to submit an estimate for building a new —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From the Superintending Engineer, II Circle, dated 10th October 1890, No. 323 G.L.

From J. HANNAN, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated 10th March 1891, No. 575 G.L.

With reference to your memo. No. 928 C. of the 19th February 1891, I have the honor to forward, herewith, a revised statement of temporary establishment required during 1891-92 in the several divisions of this circle for your approval and sanction of Government.

ENCLOSURE.

STATEMENT of proposition for revision of temporary establishment for 1891-92 in the II Circle, called for in E.W.'s memo. No. 3965 C. of the 2nd October 1890.

Order sanctioning the present establishment. Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of change.												Proposition.						Remarks.
			Present scale.						Proposed scale.						Permanent.		Temporary.				
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
					RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.	
2053 W.	25th July 1890.	S. E.'s office.	1	Sweeper	..	..	..	2	1	Sweeper	..	..	..	2	..	..	..	..	..	..	
2545 W.	25th Sept. 1890.	Kistna Eastern division.	1	Clerk to assist accountant.	..	..	..	40	1	Clerk to assist accountant.	..	..	..	40	..	..	..	..	..	..	
1778 W.	27th June 1890.		1	Draftsman, 2nd class ..	..	..	..	35	1	Draftsman, 2nd class ..	..	..	..	35	..	..	..	..	..	..	
			3	Sweepers	..	..	..	2½	3	Sweepers	..	..	..	3½	..	..	..	..	..	..	
			1	Scavenger	..	..	..	1½	1	Scavenger	..	..	..	1½	..	..	..	..	..	..	
			1	Stock-writer	..	..	..	15	1	Stock-writer	..	..	..	15	..	..	..	..	..	..	
			1	Punt-writer	..	..	..	15	1	Punt-writer	..	..	..	15	..	..	..	..	..	..	
31 W.	6th Jan. 1891.		1	Clerk to assist accountant.	..	..	..	20	1	Clerk to assist accountant.	..	..	..	20	..	..	..	..	..	..	
1778 W.	27th June 1890.	Kistna Western.	1	Stock-writer	..	..	..	15	1	Stock writer	..	..	..	15	..	..	..	..	..	..	
			1	Punt-writer	..	..	..	15	1	Punt writer	..	..	..	15	..	..	..	..	..	..	
2974 W.	11th Nov. 1890.		1	Sweeper	..	..	..	1	1	Sweeper	..	..	..	1	..	..	..	..	..	..	
			1	Clerk to assist accountant.	..	..	..	15	1	Clerk to assist accountant.	..	..	..	15	..	..	..	..	..	..	
2970 W.	11th Nov. 1890.		1	Watcher for rest-house at Kollipara.	..	..	..	5	1	Watcher for rest-house at Kollipara.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Pennumudi.	..	..	..	5	1	Watcher for rest-house at Pennumudi.	..	..	..	5	..	..	..	..	..	.	
			1	Watcher for rest-house at Tsodayapalem.	..	..	..	5	1	Watcher for rest-house at Tsodayapalem.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Pallapatla.	..	..	..	5	1	Watcher for rest-house at Pallapatla.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Aremanda.	..	..	..	5	1	Watcher for rest-house at Aremanda.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Nizampatam.	..	..	..	5	1	Watcher for rest-house at Nizampatam.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Répalle.	..	..	..	5	1	Watcher for rest-house at Répalle	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Feringidibba.	..	..	..	5	1	Watcher for rest-house at Feringidibba.	..	..	..	5	..	..	..	..	..	..	
1778 W.	27th June 1890.	division.	1	Head clerk	..	..	..	50	1	Head clerk	..	..	..	50	..	..	..	..	..	..	
			1	Clerk	..	..	..	40	1	Clerk	..	..	..	40	..	..	..	..	..	..	
			1	Do.	..	..	..	30	1	Do.	..	..	..	30	..	..	..	..	..	..	
			2	Clerks on Rs. 20 ..	..	..	..	40	2	Clerks on Rs. 20 ..	..	..	..	40	..	..	..	..	..	..	
			1	Clerk	..	..	..	15	1	Clerk	..	..	..	15	..	..	..	..	..	..	
			1	Draftsman, 2nd class ..	..	..	..	35	1	Draftsman, 2nd class ..	..	..	..	35	..	..	..	..	..	..	
			1	Do. 3rd do. ..	..	..	..	30	1	Do. 3rd do. ..	..	..	..	30	..	..	..	..	..	..	

2970 W.	11th Nov. 1890.	Gudiváda	1	Messenger	..	..	..	7	1	Messenger	..	..	..	7	..	..	..	..	..	..	
			1	Do.	..	..	..	6	1	Do.	..	..	..	6	..	..	..	..	..	..	
			3	Lascars on Rs. 6 ..	..	..	..	18	3	Lascars on Rs. 6 ..	..	..	..	18	..	..	..	..	..	..	
			1	Sweeper	..	..	..	1	1	Sweeper	..	..	..	1	..	..	..	..	..	..	
			1	Watcher for rest-house at Bantumilli ..	..	..	..	4	1	Watcher for rest-house at Bantumilli.	..	..	..	4	..	..	..	..	..	..	
1778 W.	27th June 1890.	Nellore division.	1	Draftsman, 2nd class ..	..	..	..	35	1	Draftsman, 2nd class ..	..	..	..	35	..	..	..	..	..	..	
2970 W.	11th Nov. 1890.		1	Watcher for rest-house at Sangam.	..	..	..	5	1	Watcher for rest-house at Sangam.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Atmakúr.	..	..	..	4	1	Watcher for rest-house at Atmakúr.	..	..	..	4	..	..	..	..	..	..	
			1	Watcher for rest-house at hill bungalow, Ongole.	..	..	..	4	1	Watcher for rest-house at hill bungalow, Ongole.	..	..	..	4	..	..	..	..	..	..	
			1	Watcher for rest-house at Kandukúr.	..	..	..	3	1	Watcher for rest-house at Kandukúr.	..	..	..	3	..	..	..	..	..	..	
			1	Watcher for sub-division officer's bungalow at Buchireddipalem.	..	..	..	3	1	Watcher for sub-division officer's bungalow at Buchireddipalem.	..	..	..	3	..	..	..	..	..	..	
			1	Watcher for supervisor's quarters at Buchireddi-palem.	..	..	..	3	1	Watcher for supervisor's quarters at Buchireddi-palem.	..	..	..	3	..	..	..	..	..	..	
			1	Watcher for store-shed at Allúr.	..	..	..	4	1	Watcher for store-shed at Allúr.	..	..	..	4	..	..	..	..	..	..	
2970 W.	11th Nov. 1890.	Buckingham canal division.	1	Watcher for rest-house at Mahabalipuram.	..	..	..	7	1	Watcher for rest-house at Mahabalipuram.	..	..	..	7	..	..	..	..	..	..	
			1	Watcher for rest-house at Sadras.	..	..	..	5	1	Watcher for rest-house at Sadras.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Ennore.	..	..	..	6	1	Watcher for rest-house at Ennore.	..	..	..	6	..	..	..	..	..	..	
			1	Watcher for rest-house at Coromandel.	..	..	..	5	1	Watcher for rest-house at Coromandel.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Kistnapatam.	..	..	..	5	1	Watcher for rest-house at Kistnapatam.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Iskápalle.	..	..	..	5	1	Watcher for rest-house at Iskápalle.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Kanuparti.	..	..	..	5	1	Watcher for rest-house at Kanuparti.	..	..	..	5	..	..	..	..	..	..	
			1	Watcher for rest-house at Ramayapatam.	..	..	..	5	1	Watcher for rest-house at Ramayapatam.	..	..	..	5	..	..	..	..	..	..	
				Total ..	..	..	..	597						598	..	..	..	..	..	..	
				Total for 12 months ..	..	..	..	7,164						7,176	..	..	..	..	..	..	
Vide this office letters Nos. 314 G.L. and 323 G.L.	5th and 10th October 1890.	Pedda Ganjam wharf.							1	Wharf clerk	..	..	..	15	..	..	4	15	..	..	Required during closure of Kistna canals including a few days before and after the closure from about March.
									2	Lascars on Rs. 6 ..	..	..	..	12	..	..	4	12	..	..	
										Total ..	..	..	..	27	..	..	4	27	..	..	
										Total for 4 months ..	..	..	..	108	..	..	..	108	..	..	
				Grand total ..	..	..	..	7,164			..	..	..	7,284	..	..	..	108	..	..	
					..	..	..	..		Net increase ..	..	..	..	..	..	..	..	108	..	..	

10th March 1891.

(Signed) J. HANNAN,
Superintending Engineer, II Circle.

From the Executive Engineer, Kistna Eastern Division, to the Superintending Engineer, II Circle, dated 10th March 1891, No. 5947.

I have the honor to recommend that the pay of the sweeper of the divisional office may be raised from rupee one to two per mensem.

2. The man has been complaining that since the office is held in the new building his work has considerably increased owing to the larger area he has to sweep now than what he had to do in the late old office.

No. 3235 K.S.

Copy forwarded to the Chief Engineer, Public Works Department, for favor of sanction and of increasing the provision made in the statement of temporary establishment for 1891-92 sent with this office No. 575 Gl. of the 10th instant for three sweepers for the Kistna Eastern division from Rs. 2-8-0 to Rs. 3-8-0.

(Signed) J. HANNAN,
Superintending Engineer, II Circle.

22nd March 1891.

Office-note from the Examiner, Public Works Accounts, dated 25th March 1891, No. 1858.

ORDER—dated 10th April 1891, No. 1004 W., Public Works.

The temporary establishment required in the II Circle during 1891-92, as detailed in the statement submitted by the Superintending Engineer, II Circle, with his letter No. 575 G.L., dated 10th March 1891, is sanctioned.

2. This sanction has been registered as Provincial No. 6 W. of 1891-92 and classified as Establishment, Temporary.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
„ Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 10th.

Recd. *Encl.*

G.O., 10th April 1891, No. 1004 W.

APRIL.

Establishment

The temporary — required in the II Circle during 1891-92, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers:—

From Lieutenant-Colonel R. R. E. DRAKE-BROCKMAN, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 23rd March 1891, No. 145 E.W.

No. 215 B. of 24th January 1891, from the Quarter Master General.
No. 1332 of 9th March 1891, from Executive Engineer, Coimbatore Division.

In submitting, herewith, copies of correspondence noted in the margin passed between the Quarter Master General and the Executive Engineer, Coimbatore Division, I have the honor to request you will be good enough, with advertence to para. 1033 of the Public Works Code, to obtain the sanction of Government to the demolition of the three peons' huts and store-room adjoining the Lawrence Asylum Press office buildings at Ootacamund.

Enclosures.

From G. B. LAMBERT, Esq., Executive Engineer, Coimbatore Division, to the Superintending Engineer, IV Circle, dated Pathaaravelli, 9th March 1891, No. 1332.

In forwarding, herewith, copy of memo. No. 215 B. of 24th January 1891, from the Quarter Master General, Ootacamund, I have the honor to request you will be good enough, under para. 1033 of the Public Works Code, to obtain the sanction of Government for dismantling the three peons' * huts and store-rooms adjoining the Lawrence Asylum Press building on Mount Stuart, Ootacamund, and for selling the materials thereof by public auction, as these buildings are reported to be in a ruinous condition, and do not appear to be worth repairing.

* *Vide* Register of public buildings of Nilgiri district, page 21, item No. 85.

Memorandum from the Quarter Master General, to the Executive Engineer, Coimbatore Division, dated Ootacamund, 24th January 1891, No. 215 B.

Has the honor to request that the three peons' huts and store-room adjoining the Lawrence Asylum Press buildings and the store-room near the place of arms on Mount Stuart which are not now required may be dismantled and the ground cleared.

2. These buildings are temporary structures, are in a ruinous condition and do not appear to be worth repairing.

ORDER—dated 10th April 1891, No. 1005 W., Public Works.

Sanctioned.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 10th.

Recd. *Encl.*

G.O., 10th April 1891, No. 1005 W

APRIL.

Peons' huts and store-room

The demolition of the three — adjoining the Lawrence Asylum Press office at Ootacamund, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From W. F. DEFABECK, Esq., M.D., Surgeon-General with the Government of Madras, to the Chief Secretary to Government, dated Nungumbaukum, 12th February 1891, No. 127.

With reference to G.O., No. 34, Judicial, dated the 13th January 1890, I have the honor to forward plans and estimates, amounting to Rs. 60,680, for constructing a new criminal enclosure at the Lunatic Asylum, Madras, to accommodate 166 patients.

2. The plans meet with my approval, and I request that Government may be pleased to accord early sanction to the same in view to the work being commenced at once.

3. The plans and estimates were only received from the Consulting Architect to Government on the 4th instant.

Approved and transferred to the Public Works Department with the request that the work may be taken in hand as soon as possible.

(By Order.)

(Signed) A. BUTTERWORTH,
Ag. Under Secretary.

21st March 1891.

ORDER—dated 10th April 1891, No. 1012 W., Public Works.

The estimate, amounting to Rs. 60,680, for constructing a new criminal enclosure to accommodate 166 patients at the Lunatic Asylum, Madras, is sanctioned for early execution.

2. The Consulting Architect to Government will report the amount which can be spent on the work during the current official year.

3. This sanction has been registered as Provincial No. 2 W. of 1891-92, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with 42 enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 10*th.*

Recd. *Encl.*

G.O., 10th April 1891, No. 1012 W.

APRIL.

Lunatic Asylum, Madras

Estimate of Rs. 60,380 for constructing a new criminal enclosure to accommodate 166 patients at the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Extract from the Proceedings of the Government of India in the Military Department, dated Fort William, 23rd March 1891, No. 755-M.W.

MADRAS.

Orders on the military works revised estimate for 1890-91 *and budget estimate for* 1891-92.

Read—

Military Department Resolution No. 2852-M.W., dated 5th November 1890.

Letter from the Secretary to the Government of Madras, Public Works Department, No. 3412 W., dated 22nd December 1890.

Resolution—

The revised and budget estimates of revenue and expenditure for the current and ensuing years, respectively, are accepted for the sums entered against them in the following tables :—

XXXI. Revenue.

—	Actuals, 1889-90.	Budget estimate, 1890-91.	Revised estimate, 1890-91.	Budget estimate, 1891-92.
	RS.	RS.	RS.	RS.
In the Public Works Department	25,522	30,000	4,000	4,000

44. Expenditure.

—	Actuals, 1889-90.	Budget estimate, 1890-91.	Revised estimate, 1890-91.	Budget estimate, 1891-92.
	RS.	RS.	RS.	RS.
Original works { In progress	} 2,96,214	1,12,700	} 47,900	{ 26,300
Original works { Not commenced		1,51,700		...
Repairs	3,13,295	3,00,000	46,300	45,000
Total, Works and repairs ...	6,09,509	5,64,400	94,200	71,300
Establishment	1,47,849	1,31,300	21,900	16,600
Tools and plant	9,141	8,500	1,400	1,100
Deduct modifications sanctioned since the submission of the revised estimate (Military Department Nos. 381 and 524 M.W., dated 12th February and 2nd March 1891) ...	...	...	—4,600*	...
Grand total ...	7,66,499	7,04,200	1,12,900	89,000

* To be distributed over departmental heads in the final issue.

Budget estimate, 1891-92.—The figures in the foregoing table include an additional sum of Rs. 9,000 (inclusive of establishment and tools and plant percentages) to provide for the completion of the new barracks and subsidiary buildings at Calicut during the ensuing year. The Government of India regret that the grant of Rs. 3,516, required for the construction of a shed for transport animals at Malapuram, cannot be sanctioned at present.

Order—

Ordered that the foregoing be communicated to the Government of Madras, in the Public Works Department, for information and guidance, with the request that 60 copies of the estimate, as now passed, may be submitted so as to reach the Government of India not later than the 1st May 1891.

Ordered, also, that a copy be forwarded to the Director-General of Military Works and to the Accountant-General, Public Works Department, for information.

(True Extract.)

(Signed) E. H. H. COLLEN, Major-General,
Secretary to the Government of India.

Order—dated 13th April 1891, No. 1023 W., Public Works.

The revised and budget estimates of revenue and expenditure under Imperial Military Works for 1890-91 and 1891-92, respectively, accepted by the Government of India, in its Resolution above recorded, have been adopted in the final issue of the budget.

2. The revised estimate of charges for 1890-91, as shown in the preliminary issue of the budget, amounted to Rs. 1,17,485, but the modifications of grants subsequently sanctioned reduced the estimate to Rs. 1,12,855. The Government of India having passed the estimate for Rs. 1,12,900 in round figures, that sum has been adopted in the final budget and the necessary alterations have been made under departmental heads.

3. The budget estimate of charges for 1891-92, as shown in the preliminary budget, amounted to Rs. 80,000, but the Government of India having sanctioned an additional allotment of Rs. 9,000 for the new barracks and subsidiary buildings at Calicut, the estimate has been increased to Rs. 89,000 in the final budget The Superintending Engineer, IV Circle, will make the necessary arrangements for the completion of the barracks before the close of the current official year as desired by His Excellency the Commander-in-Chief.

4. The sum of Rs. 4,740 set apart for incomplete major works will, as usual, be held in reserve with the Government and will be distributed on receipt of detailed proposals from Superintending Engineers with reference to para. 1322 of the Public Works Code.

5. The Government of India having expressed its inability to allot at present the grant required for the construction of a shed for transport animals at Malapuram, the question of providing funds for the work will be considered if any balance remains after the grants required for incomplete major works have been distributed.

6. With reference to G.O., No. 830 W., dated 21st March 1891, the expenditure incurred on minor and petty works at stations in charge of the Public Works Department will be transferred to, and finally adjusted by, the Examiner of Military Works Accounts. Applications for funds required for such works should in future be made to the Director-General of Military Works.

7. The grant for repairs has been distributed among the several divisions in part II of the budget.

8. The statements of demands to be submitted by Superintending Engineers with reference to para. 1322 of the Public Works Code should be restricted to incomplete major works of 1890-91.

9. With these remarks the final issue of the Military Works budget estimate for 1891-92 will be printed and circulated for the information and guidance of the officers concerned and sixty copies will be forwarded to the Government of India, Military Department.

(Here enter No. 1024 W., dated 13th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
„ Military Department.
„ Financial „
„ Director-General of Military Works.

Endorsement—dated 13th April 1891, No. 1024 W., Public Works.

Forwarded.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 13th.

Recd. *Encl.*

G.O., 13th April 1891, Nos. 1023, 1024 W.

APRIL.

Military Works Budget Estimate

Forwarding the final issue of the — for 1891-92.

FINAL ISSUE.

IMPERIAL.
MILITARY WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

MILITARY WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1891-92.

MADRAS,
13th April 1891.

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secretary to Govt., P.W.D.

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REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM MILITARY WORKS IN MADRAS FROM 1st APRIL 1891 TO 31st MARCH 1892.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	25,522	30,000	4,000	4,000
In Civil and Military Departments	...	...	...	...
Total ...	25,522	30,000	4,000	4,000

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT ON MILITARY WORKS IN MADRAS FROM 1st APRIL 1891 TO 31st MARCH 1892.

—		Reference to Detailed Estimate.	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.
		Rs.	Rs.	Rs.	Rs.	Rs.
Original Works	In progress	...	2,96,214	2,64,400	46,300	26,300
	Not commenced					...
Repairs	Ordinary	...	3,13,295	3,00,000	44,250	45,000
	Special					
Establishment		...	1,47,849	1,31,300	21,000	16,600
Tools and Plant		...	9,141	8,500	1,350	1,100
Suspense Account		...	...	...	...	...
Total ...		...	7,66,499	7,04,200	1,12,900	89,000

ABSTRACT OF THE CHARGES TO BE INCURRED BY THE PUBLIC WORKS DEPARTMENT FROM IMPERIAL FUNDS AND CONTRIBUTIONS IN BOTH INDIA AND ENGLAND.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92. Original Works. In progress.	Original Works. Not commenced.	Original Works. Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Account.	Barrack Department.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs	Rs.
Provision from Imperial Funds. In India ...	7,66,499	7,04,200	1,12,900	26,300	...	26,300	45,000	16,600	1,100	...	...	89,000
In England.	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	7,66,499	7,04,200	1,12,900	26,300	...	26,300	45,000	16,600	1,100	...	...	89,000
Provision from Contributions. In India ...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total ...	7,66,499	7,04,200	1,12,900	26,300	...	26,300	45,000	16,600	1,100	...	...	89,000

STATEMENT SHOWING THE WORKS ON WHICH OUTLAY IN ENGLAND ABOVE PROVIDED FOR IS TO BE INCURRED.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92. Original Works. In progress.	Original Works. Not commenced.	Original Works. Total.	Tools and Plant.	Suspense Account.	Total.
				Nil.					

PART

DETAIL OF THE BUDGET-ESTIMATE FOR

CLASS A

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
				IMPERIAL ORDINARY.	Rs.
				Military.	
				Original Works.	
1. *Accommodation for troops*— Buildings for European troops.	West Coast.	Calicut ...	1	New barracks with subsidiary buildings.	31,560
			2	Reserve with the Government for Incomplete Major Works.	...
				Total ...	...

I.

ORIGINAL WORKS FOR THE YEAR 1891-92.

WORKS.

Outlay.		Grant, 1891-92.			Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	10,000	21,560	...	...	1	G.O., No. 1339 W., dated 12th May 1890, and No. 3015 W., dated 13th November 1890. Item No. 2, class B works, budget of 1890-91.
				21,560		
...	...	4,740	...	4,740	2	
...	...	26,300	...	26,300		

APPENDIX

LIST OF WORKS (OR CLASS C WORKS) OMITTED FROM THE BUDGET-ESTIMATE OF 1890-91, BUT ON
CLASS B

HEAD OF CLASSIFICATION.	EXECUTIVE DIVISION.	LOCALITY.	ITEM No.	PROJECTS AND WORKS.	AMOUNT OF ESTIMATE.
				IMPERIAL ORDINARY.	Rs.
				MILITARY.	
				Original Works.	
1. *Accommodation for troops—* Buildings for European troops.	West Coast.	Calicut ...	1	Quarters for an Apothecary, West Hill Barracks.	...
	Do. ...	Do. ...	2	Constructing a swimming-bath for the Detachment of British Infantry at West Hill.	...
	Do. ...	Do. ...	3	Constructing an officer's mess with out-houses.	...
	Do. ...	Vayitri ...	4	Reconstructing the quarters of the Sergeant-Instructor, Wynaad Company of the Malabar Volunteer Rifles.	3,990
	Do. ...	Malapuram ...	5	Constructing an officer's mess with out-houses.	...
	Coimbatore.	Ootacamund...	6	Quarters for the Warrant officer attached to the Army Head-quarters.	6,100
	Do. ...	Do. ...	7	Converting the Sapper hospital building on Stonehouse Hill into quarters for two Sergeant-Instructors, Nilgiri Volunteer Rifles.	3,600
Buildings for Native troops.	Ganjam ...	Berhampore ..	8	Constructing a Rifle range for the Madras Infantry Regiment.	...
	Vizagapatam.	Vizianagrum ...	9	Regimental store for Native Infantry including storage for camp equipage.	3,480
	West Coast...	Cannanore ...	10	Constructing quarters for men of the Army hospital Native Corps.	2,980
	Do. ...	Mangalore ...	11	Quarters for two Hospital Assistants.	...
	Trichinopoly.	Trichinopoly...	12	Reconstructing the roof of Hospital wards Nos. 12 and 13 of the 1st Pioneer Lines.	4,400
Commissariat buildings.	West Coast.	Malapuram ...	13	Constructing a shed for transport animals.	2,824
	Do. ...	Do. ...	14	Cattle-shed for the Commissariat Department.	...
Fortifications ...	Do. ...	Do. ...	15	Constructing a fortified post ...	8,248
Staff and Miscellaneous.	Coimbatore.	Ootacamund...	16	Constructing a latrine for the boys at the Lawrence Asylum.	3,000
				Total ...	

B.

WHICH EXPENDITURE MAY BE INCURRED DURING THE YEAR BY RE-APPROPRIATION FROM WORKS.

Outlay.		Amount applied for 1891-92.			Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Works in progress.	Works not commenced.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	5,000		1	Estimate is awaited.
...	...	...	5,000		2	Do.
...	...	...	8,000		3	Do.
...	...	...	4,000		4	G.O., No. 638 W., dated 6th March 1891.
...	...	...	8,000		5	Estimate is awaited.
...	...	...	6,109		6	G.O., No. 1316 W., dated 10th May 1890. Item No. 24, class C works, budget of 1890-91.
...	...	...	3,600		7	G.O., No. 1068 W., dated 9th April 1888. Item No. 25, class C works, budget of 1890-91.
...	...	...	3,830		8	Estimate is awaited.
...	...	...	3,480		9	G.O., No. 2628 W., dated 27th October 1884. Item No. 58, class C works, budget of 1890-91.
...	...	...	2,980		10	G.O., No. 2707 W., dated 26th September 1889.
...	...	...	5,500		11	Estimate is awaited.
...	...	...	4,400		12	G.O., No. 347 W., dated 6th February 1891.
...	...	...	2,824		13	G.O., No. 1245 W., dated 27th April 1888. Item No. 79, class C works, budget of 1890-91.
...	...	...	4,000		14	Estimate is awaited. Item No. 78, class C works, budget of 1890-91.
...	...	...	8,248		15	G.O., No. 3114 W., dated 18th November 1887. Item No. 98, class C works, budget of 1890-91.
...	...	...	3,000		16	G.O., No 2139 W., dated 16th July 1888. Item No. 103, class C works, budget of 1890-91.
...	...	...	...			

GOVERNMENT OF MADRAS.

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS UNDER IMPERIAL—MILITARY WORKS IN MADRAS FOR THE YEAR 1891-92.

Head of Classification.	Executive Division.	Locality.	Items.	Estimate, 1891-92. Amount.	Estimate, 1891-92. Total.	Estimate, 1890-91. Amount.	Estimate, 1890-91. Total.
				Rs.	Rs.	Rs.	Rs.
			Military Buildings.				
	Ganjam ...	...	Annual repairs. ...	1,000			
	Vizagapatam.	...	Do. ...	2,500			
	Godávari, Eastern.	...	Do. ...	1,000			
	Cuddapah ...	...	Do. ...	780			
	Kurnool ...	...	Do. ...	360			
	Coimbatore ...	...	Do. ...	6,500			
	West Coast ...	...	Do. ...	22,000			
	South Arcot ...	...	Do. ...	180			
	Tanjore ...	...	Do. ...	600			
	Trichinopoly.	...	Do. ...	5,000			
	Madura ...	...	Do. ...	420			
	Tinnevelly ...	...	Do. ...	540			
	Reserve with the Government.	...	Do. ...	4,120			
			Total, Military Buildings.	...	45,000	...	47,500

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 26th February 1891, No. 3335.

I have the honor to forward, for sanction, a revised estimate, amounting to Rs. 3,018, for constructing seven police huts at Muchukota in the Anantapur district.

2. The rates provided for in the original estimate sanctioned in G.O., No. 1834 W., dated 20th June 1888, being too low, the estimate was revised and resanctioned by this office for Rs. 2,500.

3. The necessity for this second revision is to deepen the foundations, to raise the basement by 1½ feet, and to provide with longer rafters for constructing the roof with a suitable pitch to admit of a projection beyond the wall.

From J. C. LARMINIE, Esq., Executive Engineer, Bellary division, to the Superintending Engineer, III Circle, dated 27th March 1891, No. 5334.

With reference to your foot-note No. 3626 of 20th instant, forwarding Chief Engineer's memo. No. 1522 C., I have the honor to explain as follows.

2. The original estimate, amounting to Rs. 2,224, was sanctioned in G.O., No. 1834 of 20th June 1888.

3. In March 1890 tenders were advertised for in the *Fort St. George Gazette*, but beyond an inquiry regarding rates from a contractor in Anantapur nothing resulted therefrom.

4. Accordingly the Sub-divisional officer was directed to try and induce some local contractor to take up the work and one Mustan Saib of Tádpatri sent in a tender ; according to the rates of which revision No. 1, amounting to Rs. 2,500, was sent in *merely for rates alone.*

5. At this stage no re-question regarding the foundations and basement has arisen nor had the error in the estimate of insufficient length of rafters been detected and this error was still further augmented by the extra foot of width allowed by supervisor T. Munisawmi Mudaliyar when laying out the building.

6. Consequently when the first revision was made these additions could not have been readily foreseen ; hence the necessity for the second revision.

7. The circumstances set forth in para. 4 explain the discrepancies between the rates in both revised estimates and the divisional schedule.

The locality is an out-of-the-way one, and, under the circumstances, there seemed no alternative but to accept the only available tender.

No. 3691.

Forwarded to the Chief Engineer, Public Works Department, with reference to his No. 1522 C., dated 18th March 1891.

BELLARY,
31st March 1891.

(Signed) H. SMALLEY, Colonel, R.E.,
Superintending Engineer, III Circle.

ORDER—dated 13th April 1891, No. 1025 W., Public Works.

The revised estimate, amounting to Rs. 3,018, for constructing seven police huts at Muchukota in the Anantapur district is sanctioned in supersession of the estimate of Rs. 2,500 sanctioned by the Superintending Engineer.

2. The Government is, however, unable to accept as satisfactory the explanation submitted as to the excessive cost of these huts, the second revised estimate for which works out to Rs. 431 per hut—a rate which would never have been sanctioned had it appeared in the original estimate.

3. The necessity for raising the basement and for the greater depth of foundations should have been foreseen by the officer who prepared the original estimate after, it is presumed, inspecting the site. The error committed by supervisor T. Munisawmi Mudaliyar in laying out the foundations is inexcusable. He should be severely reprimanded by the Superintending Engineer on his return from leave.

4. The sanction accorded in these Proceedings has been registered as Provincial No. 3 W. of 1891-92 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 13th.

Recd. *Encl.*

G.O., 13th April 1891, No. 1025W.

APRIL.

Police Huts

Revised estimate, amounting to Rs. 3,018, for constructing seven — at Muchukota in the Anantapur district, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 25th March 1891, No. 3932.

With reference to G.O., No. 548 W., dated the 26th February 1891, I have the honor to submit enlarged plans, sections and elevation of the main tower of the new High Court buildings. There are three octagonal rooms available for service and store rooms. A small portion of these rooms will be occupied by the stairs leading to the lantern.

2. It will be seen from the plans and sections that due attention has been paid to proper lighting and ventilation.

3. The upper part of the tower has been adapted to receive the lantern now carried by the stone column, certain additions being made to harmonise with the High Court buildings.

4. I beg further to solicit that the orders referred to in G.O., No. 2489 W., dated 17th September 1890, may be passed as regards the retention or otherwise of the existing lighthouse, also if it has been decided that a new apparatus for the light is to be put up in the tower, as suggested by Mr. Douglas in his report respecting the Madras Lighthouse communicated with G.O., No. 314 W., dated 3rd February 1891, drawings and dimensions with other details may be furnished to enable me to make the necessary provision.

Order—dated 13th April 1891, No. 1026 W., Public Works.

Communicated to the Marine Department with reference to G.O., No. 548 W., dated 26th February 1891.

2. His Excellency the Governor in Council considers that the existing Lighthouse should be removed as soon as the tower on the Law Court's building has been fitted with a new third order dioptric flashing light and a new helically-framed, well ventilated, lantern, as recommended by Mr. Douglas. Orders will issue in the Marine Department in regard to obtaining the requisite apparatus, the drawings and dimensions of which, with other details, should be furnished to the Consulting Architect as soon as practicable.

3. The present light might with advantage be transferred to Tuticorin or Cochin.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Marine Department, with plans for inspection and return.
„ Consulting Architect to Government.

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 13th.

Recd. *Encl.*

G.O., 13th April 1891, No. 1026 W.

APRIL.

Lighthouse, Madras

Passing orders regarding the removal of he existing — as soon as the tower on the Law Court's building has been fitted with a ew third order dioptric flashing light, &c.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

From the Superintending Engineer, IV Circle, dated 6th October 1890, No. 325 E.W.

From Lieut.-Colonel R. R. E. DRAKE-BROCKMAN, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated 28th February 1891, No. 104 E. W.

Adverting to your memo. No. 936 C. of 19th current, I have the honor to submit a proposition statement in the prescribed form for the temporary establishment required for the ensuing official year 1891-92, and to request you will be good enough to obtain the sanction of Government to the same.

2. The continued services of sweepers are absolutely necessary and the watchmen are required to look after the famine tools, &c.

3. The Executive Engineer, Coimbatore division, has been asked to report the necessity for the continued employment of two temporary clerks in the Division office, and on receipt of his reply a separate proposition statement will, if necessary, be submitted.

Enclosure.

Statement of proposition for revision of establishment.

Order of Government sanctioning the present establishment.		Office to which the proposition refers.	Nature of change.													Proposition.					
			Present scale.						Proposed scale.						Permanent.		Temporary.			
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease.	
Number.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
					RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.
G.O., No. 1318 W.	17th May 1889.	Superintending Engineer's office.	1	Sweeper	..	..	..	5	1	Sweeper	..	..	..	5	..	..	1 year from 1st April 1891 to 31st March 1892.	60	..	..
G.O., No. 2646 W.	21st Sept. 1889.	West Coast division. Coimbatore division.	1 1	Do.	..	..	..	2	2	Do.	..	..	..	2	..	..	Do. ..	24	..	..
..	..	Do. ..		....	..	..	..	..	1	Watchman to look after famine tools at Bhavâni.	..	..	..	5	..	..	Do. ..	60	..	..
									1	Watchman to look after famine tools at Tirupatûr in Salem district.	..	..	..	5	..	..	Do. ..	60	..	..
				Total ..	..	..	..	..		Total ..	..	..	..	..	..	..		204	..	..

28th February 1891.

(Signed) R. R. E. DRAKE-BROCKMAN, Lieut.-Colonel, R.E.,
Superintending Engineer, IV Circle.

From the Examiner, Public Works Accounts, dated 24th March 1891, No. 1815.

ORDER—dated 13th April 1891, No. 1027 W., Public Works.

The temporary establishment required in the IV Circle during 1891-92, as detailed in the statement submitted by the Superintending Engineer with his letter No. 104 E.W., dated 28th February 1891, is sanctioned.

2. This sanction has been registered as Provincial No. 8 W. of 1891-92, and classified as Establishment, Temporary.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 13*th*.

Recd. *Encl.*

G.O., 13th April 1891, No. 1027 W.

APRIL.

Temporary Establishment

The — required in the IV Circle during 1891-92, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

Proceedings of the Board of Revenue (Separate Revenue), dated 21st January 1891, No. 19.

C. S. CROLE, Esq., C.S.

Read—the following letter from J. J. WHITELEY, Esq., A.M.I.C.E., Executive Engineer, Tanjore Sub-division, to the Secretary to the Commissioner, Uncovenanted Civil Service Examinations, dated Tanjore, 12th November 1890:—

I have the honor to enclose the printed list of candidates forwarded to me with your letter No. 1407, dated 20th October 1890.

2. Against the name of each candidate whose papers have been sent to me to examine I have entered the number of marks obtained by him in each subject in the following order:—

D-I, D-III, D-II, D-IV.

I would add the following remarks:—

The questions set were all elementary with a view to testing practical rather than theoretical knowledge. The results in each subject are as follows:—

D-I—Surveying with chain and compass.—The papers were generally good and tend to show uniform practice amongst the candidates. 90 per cent. qualified and a few of the papers were excellent; these are noted in the printed list. "Scales" should be more carefully attended to.

D-III—Mensuration.—48 per cent. qualified. This subject has hardly been attended to with sufficient care, and I should judge that there was no uniform text-book in use.

D-II—Levelling.—61 per cent. qualified. Papers generally fair. The use of an elementary text-book, say, for instance, that embodied in the compilation for surveying at Rurki by Lieutenant (now Colonel) F. Firebrace, R.E. (if still in print) throughout this department would, I think, be of considerable advantage.

D-IV—Plans and estimates, &c.—The paper was a very elementary one, but only 25 per cent. qualified.

The replies were generally poor and showed want of accuracy and precision and more or less of proper knowledge of the subject. Want of training is apparent. Two or three weeks or a month under a qualified draftsman in any Engineer's office would, I think, lead to better results.

Endorsement by E. H. ELLIOT, Esq., Secretary to the Commissioner for the Uncovenanted Civil Service Examinations, dated 20th November 1890, No. 1555.

True copy communicated to the Commissioner of Salt, Abkári and Separate Revenue for information.

Reference, dated 27th November 1890.

A copy of the rules for the examination of the officers of the Salt and Abkári Department is herewith forwarded to the Principal, College of Engineering, Madras, who is requested to be so good as to recommend a suitable text-book to be used by the officers for examination in test D-III– Mensuration of planes and solids.

(Signed) EDMUND MILLETT,
Assistant Secretary.

Endorsement by Captain H. D. LOVE, R.E., Principal, College of Engineering, dated Madras, 4th December 1890, No. 1064-C.

Returned to the Assistant Secretary (Separate Revenue), Board of Revenue, with the remark that the following is considered a suitable text-book for test D-III :—

"College of Engineering Manual on Mensuration," sold at the S.P.C.K. Depository, Vepery ; price 8 annas.

Read—the following letter from Captain H. D. LOVE, R.E., Principal, College of Engineering, Madras, to the Secretary, Board of Revenue (Separate Revenue), dated 16th December 1890, No. 1128-C :—

With reference to the Proceedings of the Board of Revenue, Mis. No. 3632, dated 10th December 1890, I have the honor to state that the books mentioned viz., "Notes on building and road-making" and "Schoury's text-book on estimating," are, in my opinion, as good as any that could be selected to meet the requirements of test D-IV.

2. Plan-drawing and estimating for building work constitute a subject which is not easily acquired from books, and I concur with Mr. Whiteley in thinking that a short time spent in an Engineer's office would lead to better results. As such an arrangement would usually be impracticable, I suggest that, if the number of candidates is sufficient, an itinerating instructor in drawing might be entertained, who would spend about a month at each station where candidates are preparing for the examination.

Resolution—dated 21st January 1891, No. 19.

The first paper read above contains the report of Mr. J. J. Whiteley, Executive Engineer, Tanjore, on the examination in special test D (Engineering) of those officers of the Salt and Abkári Department who appeared for this test in October last.

2. Mr. Whiteley is correct in supposing that no text-book has hitherto been prescribed for test D-III (Mensuration of planes and solids). Captain Love, Principal of the Civil Engineering College, has now recommended a suitable book which will be prescribed for the future, the following addition being made to paragraph 4 of the rules for the examination of officers of the Salt and Abkári Department:—

"College of Engineering Manual on Mensuration," sold at the S.P.C.K. Depository, Vepery (8 annas).

3. With reference to Mr. Whiteley's remarks on test D-II, it is observed that the subject of levelling is fully dealt with in Mr. D'Cruz's "Catechism on surveying and levelling," which has recently, on the recommendation of the Superintendent of Revenue Survey, been substituted as a text-book for the "Rurki Manual of Surveying" (Board's Proceedings, dated 2nd December 1890, No. 543).

4. Mr. Whiteley's observations on the papers in test D-IV (Preparation of plans and estimates) were communicated to Captain Love with the request that he would inform the Board whether he considered the text-books now prescribed * satisfactory. He states in reply that these books are as good as any that could be selected and agrees with Mr. Whiteley in considering that the failure of the candidates is due mainly to lack of practical training.

* Notes on building and road-making—Schoury's Text-book on Estimating.

5. In this opinion the Board entirely concurs. It would therefore ask Government to allow officers of the department who are desirous of appearing for this test to be attached for a month, during the non-manufacturing season, to the office of a District Engineer for training just as Revenue Inspectors receive practical instruction in surveying. The number of men to be deputed from each sub-division at one time would be limited, so as to allow of their ordinary work being done during their absence without the employment of additional establishments.

6. Captain Love's alternative suggestion that an itinerating instructor in drawing should be entertained does not commend itself to the Board. A man on comparatively low pay without supervision would probably neglect his work and the District Engineer's office would furnish a far better training school.

7. The Board is indebted to Mr. Whiteley for his remarks.

(True Copies and Extract.)

(Signed) W. S. MEYER,
Acting Secretary.

No. 1374, Revenue.

Referred to the Public Works Department for an expression of opinion on para. 5 of the Board's Proceedings.

FORT ST. GEORGE,
26th February 1891.

(Signed) C. A GALTON,
Secretary to Government.

Note by the Chief Engineer, Public Works Department,

The undersigned sees no objection to the attaching of officers of the Salt Department to the offices of Executive Engineers (there is no such title as "District Engineer" in the Public Works Department) for practical training in engineering, provided they are not posted in such numbers as to form a serious addition to the work of the Executive Engineer or his subordinates.

(Signed) J. PENNYCUICK, Colonel, R E,
Chief Engineer, P.W.D.

9th March 1891.

No. 1360 C.

MEMORANDUM.

Transferred to the Revenue Department with reference to its endorsement No. 1374, dated 26th February 1891 (herewith returned).

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Government, P.W.D.

11th March 1891.

G.O., dated 28th March 1891, No. 2095, Revenue.

Read—again G.O., dated 26th February 1891, No. 1374, Revenue.

Read—also memorandum from the Public Works Department, dated 11th March 1891, No. 1360 C.

ABSTRACT.—Transferring a note from the Chief Engineer informing that he has no objection to the attaching of officers of the Salt Department to the offices of Executive Engineers for practical training in engineering in small numbers.

Order—dated 28th March 1891, No. 2095, Revenue.

The Board's proposal in para. 5 of its Proceedings, dated 21st January 1891, No. 19, is approved.

(True Extract.)

(Signed) A. BUTTERWORTH,
for Secretary to Government.

ORDER—dated 13th April 1891, No. 1028 W., Public Works.

Communicated to Superintending Engineers for information.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 13th.

Recd. *Encl.*

G.O., 13th April 1891, No. 1028 W.

APRIL.

Test D-IV, Preparation of Plans and Estimates

Proceedings, Revenue Department, approving the proposal of the Board of Revenue to allow officers of the Salt and Abkári Department desirous of appearing for — to be attached for a month to the offices of Executive Engineers for training, communicated to Superintending Engineers for information.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From W. F. DEFABECK, Esq., M.D., Surgeon-General with the Government of Madras, to the Chief Secretary to Government, dated Fort St. George, 22nd January 1891, No. 62.

I have the honor to submit, for the approval and sanction of His Excellency the Governor in Council, the accompanying plan and estimate, amounting to Rs. 6,013, for constructing a new ward and extending existing block No. 5, male ward, in the Leper Hospital, Madras.

From W. F. DEFABECK, Esq., M.D., Surgeon-General with the Government of Madras, to the Chief Secretary to Government, dated Nungumbaukum, 24th March 1891, No. 253.

Adverting to Public Department reference on No. 755, dated the 20th instant, I have the honor to state, for the information of Government, that the additional accommodation was required owing to overcrowding in the Leper Hospital, which was brought to notice by the Superintendent.

2. I enclose, for the information of Government, a statement, showing the actual accommodation in the hospital and the number of patients at present under treatment there, from which it will be seen that, while the hospital only provides for 160 beds, the number of beds actually occupied is 226 or 66 more.

3. A copy of the letter received from the Superintendent is also enclosed for information.

ENCLOSURE.

From Surgeon-Major H. D. COOK, M.B., Superintendent, Government Leper Hospital, to the Secretary to the Surgeon-General with the Government of Madras, dated Madras, 24th March 1891, No. 35.

[Your memo. No. 1516, dated 21st March.]

I have the honor to forward a statement, which shows that the *present* accommodation of the Leper Hospital is 160, whereas we have 226 patients. The new wards and the extension of the existing ward will accommodate 30 patients, leaving still 36 in excess.

2. But you will note that the number for each ward *can* be slightly increased without any harm arising, so that with the new ward and extension we can manage provided we get not many more applications.

The plan and estimate are approved and transferred to the Public Works Department.

FORT ST. GEORGE,
28th March 1891.

(Signed) J. F. PRICF
Chief Secretary,

ORDER—dated 15th April 1891, No. 1041 W., Public Works.

The estimate, amounting to Rs. 6,013, for constructing a new ward and extending existing block No. 5, male ward, in the Leper Hospital, Madras, is sanctioned.

2. This sanction has been registered as Provincial No. 5 W. of 1891-92 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with four enclosures.
" Examiner, Public Works Accounts.
" Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 15th.

Recd. *Encl.*

G.O., 15th April 1891, No. 1041 W.

APRIL.

Leper Hospital, Madras

Estimate of Rs. 6,013 for constructing a new ward and extending existing block No. 5, male ward, in the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From J. W. Martin, Esq., Officiating Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 4th April 1891, No. 17 T.N.

With reference to G.O., * No. 2146 W., dated 7th August 1890, regarding Port office building at Tuticorin, I have the honor to state that the building is a double-storied one and the upper story above was occupied by the Port officer. This portion (measuring 52 feet × 31 feet and 46 feet 6 inches × 29 feet 6 inches) is valued at Rs. 2,600 at its present condition, and the rent to be charged for the same is Rs. 18 per month, as per G.O., No. 3389 W., dated 19th December 1890, and as noted below :—

* G.O., dated 14th July 1890, No. 261, Marine.

	RS.
Cost of building	2,600
Establishment at 10 per cent.	260
Total capital cost ...	2,860
4 per cent. on capital cost	114
Estimate cost of repairs when actual average is not taken ...	100
	214
Rent per month ...	18

2. It is reported that the Port officer has since ceased to occupy the building, but he will have to pay rent at the above rate up to the date the upper story of the building was occupied as his residence.

Order—dated 16th April 1891, No. 1058 W., Public Works.

Under note (2), rule I, para. 1041, Public Works Code (Standing Order No. 1320 of 1890), no addition to the capital cost for establishment and tools and plant need be made in the case of houses that were in existence on the 7th September 1888. The

rent to be paid by the Port officer for the upper story of the Marine office at Tuticorin will, therefore, be Rs. 17 per mensem, and recovery will accordingly be made at that rate for the period of occupation.

2. The Superintending Engineer should have explained the delay of eight months in replying to G.O., No. 2146 W., dated 7th August.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts, with copy of G.O., No. 2146 W., dated 7th August 1890.
" Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 16th.

Recd. *Enc.*

G.O., 16th April 1891, No. 1058 W.

APRIL.

Marine Office at Tuticorin

Orders fixing the rent of the upper story of the — at Rs. 17 per mensem.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

From A. S. RUSSELL, Esq., Executive Engineer, Buckingham Canal division, to the Superintending Engineer, II Circle, dated 23rd March 1891, No. 1810.

In forwarding, herewith, an application for sanction to purchase 194 barrels of Burham's Portland cement required and provided for in the revised estimate for constructing flood-gate, south bank of Pennér, I have the honor to report that, under the authority conveyed in your telegram of to-day's date, I have ordered the purchase of cement in anticipation of sanction of Government, in order that the progress of the work (the collection of materials of which is now being proceeded with) may not be retarded. The purchase of the cement will also enable a portion of the current year's grant to be utilized under " Capital."

No. 2 B.C.

Copy forwarded to the Chief Engineer, Public Works Department, with a request that the necessary sanction of Government may be obtained for the purchase in India of 194 barrels of Burham's Portland cement for the use of the flood-gate, south bank of Pennér.

2. Under the circumstances explained in the foregoing letter, Mr. Hannan has ordered the purchase of the above cement in anticipation of sanction of Government.

Bezvada,
1st April 1891.

(Signed) W. JOPP,
Offg. Suptdg. Engr., II Circle.

Order—dated 17th April 1891, No. 1068 W., Public Works.

In the circumstances stated, the local purchase of 194 barrels of Portland cement is sanctioned.

2. The Government, however, observes that a loss of over Rs. 600 is involved. The Superintending Engineer will accordingly explain why the necessity for the stores was not foreseen and an indent submitted through the Public Works Stores in the usual course.

3. With reference to the last sentence of his letter, the attention of the Executive Engineer will be drawn to para. 1627-A, Public Works Code.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts, with statement for note and return.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 17th.

Recd. *Encl.*

G.O., 17th April 1891, No. 1068 W.

APRIL.

Portland Cement

The local purchase of 194 barrels of — for the use of the flood-gate, south bank of the Pennér river, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 27th March 1891, No. 235, Educational.

Read—the following papers :—

From the Director of Public Instruction, dated 10th February 1891, No. 1308.

With reference to G.O., No. 431, dated 18th July 1889, Educational, I have the honor to submit for sanction the accompanying plans and an estimate, amounting to Rs. 13,117, for constructing Hygienic Laboratory for the Medical College. I request that the necessary funds may be provided for the early execution of the work, if possible, before the beginning of the winter session, 1891-92.

From the Surgeon-General with Government, dated 21st March 1891, No. 241.

In returning the letter from the Director of Public Instruction and the plans and estimate for constructing Hygienic Laboratory for the Medical College, referred to me for remarks under your endorsement, dated the 21st February 1891, I have the honor to make the following observations.

2. I would draw special attention to the arrangements for the supply of gas to the laboratory. At present it remains doubtful whether the existing apparatus at the Medical College will furnish enough gas for both Chemical and Hygienic Laboratories. For the carrying on of the work of a Hygienic Laboratory a sufficient and uninterrupted supply of gas is absolutely necessary. Attention should therefore be carefully directed to this point during the building of the laboratory, so that any requisite alteration or addition can be subsequently carried out without delay.

3. The pipes carrying the gas should be arranged so that attachment for extra burners can be made at any time around the walls of the laboratory for water baths and other special apparatus without the necessity of tubing running across the laboratory from the sides to the centre or *vice versâ*. It is presumed that the sulphuretted hydrogen gas generating cupboard (which will be made exactly like the one in the Chemical Examiner's laboratory) will have gas supplied to it.

4. The Professor's room is entirely unprovided with any means of private research. It will be an immense advantage if the slight alterations necessary for the above purpose can be made. All that would be required in the first place would be a small working bench of exactly the same pattern as those supplied to each student save that in this case the bench should be equal in length to two students' benches. The above could be situated in the Professor's room against the wall at the back of one of the large almirahs in the laboratory (D in the plan), and would certainly prove of immense use in special bacteriological and other researches.

5. I would suggest that the laboratory be constructed as speedily as possible inasmuch as a considerable period must elapse between the completion of the building and the actual commencement of the teaching of Practical Hygiene.

Order—dated 27th March 1891, No. 235, Educational.

The plans and estimates submitted by the Director of Public Instruction are approved and will be transferred to the Public Works Department.

2. The suggestions made by the Surgeon-General in his letter, dated 21st March 1891, No. 241, are approved and the necessary alterations will be made in the plans and estimates in the Public Works Department.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 18th April 1891, No. 1071 W., Public Works.

The estimate, amounting to Rs. 13,117, for constructing a Hygiene Laboratory at the Medical College, Madras, is sanctioned for early execution.

2. A sum of Rs. 10,000 has been provided for the work in the current year's Provincial Civil Works budget. The Consulting Architect will apply for the balance of the estimate when required.

3. The suggestions of the Surgeon-General recorded in the Proceedings read above will be carried out during the construction of the work.

4. The sanction accorded in para. 1 has been registered as Provincial No. 6 W. of 1891-92, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with eight enclosures.
,, Examiner, Public Works Accounts.
,, Educational Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 18*th.*

Recd. *Encl.*

G.O., 18th April 1891, No. 1071 W.

APRIL.

Medical College, Madras

Estimate of Rs. 13,117 for constructing a Hygiene Laboratory at the —, sanctioned with remarks.

GOVERNMENT OF MADRAS,

PUBLIC WORKS DEPARTMENT,

Buildings and Roads,
Civil Works,

READ—the following papers :—

From J. W. MARTIN, Esq., Officiating Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department (through the Presidency Port officer), dated Trichinopoly, 25th March 1891, No. 1231 M.D.

With reference to G.O., No. 688 W., dated 10th March 1891, I have the honor to report that I inspected the light-house at Pámban on the 18th instant with the local Port officer.

2. The store room, column, and light apparatus are in good order, except that the glass of the door of the lantern opening out to the platform outside is cracked diagonally right across and there is another crack near the bottom. I was told by the Port officer that these cracks have been in existence for some time and that they were caused by the door being shut violently by the wind, but he has provided the Light Superintendent with a piece of wood to keep the door open when the lantern is being cleaned on the outside, which, if he uses it, should prevent further damage to the glass. I was further informed by the Port officer that at present there is spare glass in the store room at the light-house suitable for the door, so the cracked glass can be renewed if necessary, but heretofore the cracks do not appear to have caused any inconvenience.

3. The glass of the lantern, &c., is cleaned with only paper and chamois leather, but in para. 33 of report by Mr. Douglass, circulated with G.O., No. 314 W., dated 3rd February 1891, it is stated that the glass prisms require to be cleaned every week with spirits of wine.

4. In the report of Mr. Douglass, the question of burners is discussed. At Pámban two lamps are provided, one to be used at a time, burning for six hours. Each is simply an ordinary table lamp provided with two burners, wick being one inch broad. According to information furnished by the Superintendent, if the lamp burns for six hours the oil in the reservoir falls only 1½ inches. This small decrease in the level of the oil cannot, I think, appreciably affect the capillary action as regards supplying with oil the wicks referred to in para. 27 of Mr. Douglass' report.

5. In his report he observes that the duplex burner is very inefficient and out of focus, but the Port officer informed me he considers the burner is in focus. Mr. Douglass also remarks that the sash bars on certain bearings obscure the light. I think this is unavoidable, for the light is intended to be open to view all round the horizon, so, unless the glass of the lantern is fixed without sash bars, these bars must obscure the light when vessels are in certain positions. There is, however, a small pipe a little on one side of a sash bar to carry off the rain falling on roof of lantern. This is objectionable ; the pipe should be exactly in front of the sash bar and on the same diametrical line from centre of light. This pipe may be removed altogether and placed in a new position from the eave of roof to hand rail, taking care to keep the outer end of it above the level of the line of light from lantern. The Port officer suggested this arrangement himself, so he might be instructed to carry it out.

6. Mr. Douglass refers to want of sufficient ventilation. At present there is no means for heated air and the smoke of the lamp to pass out of the lantern except through thirty-six holes in the sphere under the vane on top of roof, each being about ¾" diameter. The sphere is rigidly connected with the vane and revolves with it and

in this way the holes are always on the lee side, and, consequently, the wind outside does not interfere with the lamp, but the number of holes cannot well be increased without exposing the lamp to the wind. Consequently, if further ventilation is provided, it must be made in the sloping roof by means of vertical pipes provided with cowl or mushroom shaped adjustable covers, which can be lowered or raised from the inside of the lantern according to the state of the wind. There is however no service room just below the lantern for a man to remain in at night, and, as a man should not sit or lie down in the lantern itself, for he would interfere with the light, it is, I consider, very doubtful whether in actual practice any system of providing further ventilation in the roof depending upon being adjusted to suit the state and direction of the wind will prove satisfactory. For this reason I think it is not desirable to provide additional ventilation in the roof, particularly as it does not appear from the Presidency Port officer's letter, printed with G.O., No. 314 W., already referred to, that any serious complaints have been made heretofore about the efficiency of the light. In regard to ventilation in the floor of the lantern there is, at present, a man hole in it, through which the Light Superintendent passes into the lantern. This hole is never closed, so, I think, there must be, at present, ample ventilation through the floor.

7. Two iron tanks for holding oil suggested in Mr. Douglass' report have been provided and also an almirah for storing the lamps, wicks, &c., in. The iron tanks hold about 60 gallons each and the cock for drawing off oil in the side is placed at one-third of the height from the bottom. This involves having twenty gallons below the line of the cock which cannot be conveniently drawn off. There is a hole now stopped in the bottom of each tank, but it would be very inconvenient and wasteful to draw off twenty gallons at once for the purpose of cleaning the tank through the hole. Consequently, I think, the cock in the side of each tank had better be removed and re-fixed at about three inches above the bottom.

8. At time of inspection the establishment employed for looking after the light-house consisted of only two men. I understood, however, from the Port officer that the sanctioned scale consists of three men, but for some reason the third man had not been appointed. I think a third man should be appointed at once, for if either of the men now employed should get sick on or off duty or should find it imperatively necessary to take leave, it might be very difficult to get at once a man suitable to take his place.

9. I have not observed in the records that any one has brought to notice the height of the trees on Rámesvaram island in reference to the height of the light column above ground level, but it appeared to me that some of the trees may possibly obscure the light, particularly in the case of vessels approaching the port from the south. I think this is a matter that should be seen to and kept in view hereafter.

ENCLOSURE.

DETAILS of light-houses inspected by Mr. J W. Martin, Officiating Superintending Engineer, VI Circle, in March 1891.

Light-house.	Class of light.	Height of centre of lantern above mean sea-level.	Distance at which light is visible.	Object of light.	Remarks.
		FEET.	MILES.		
Pámban	4th order catadioptric fixed light.	97	13	Guide to entrance of Pámban channel.	The store-room column and light apparatus are in good order, except the glass of the door of the lantern opening out to the platform outside is cracked diagonally right across and there is another crack near the bottom. The lightning conductor appears to be in good order and efficient.

TRICHINOPOLY,
25th March 1891.

(Signed) J. W. MARTIN,
Offg. Suptdg. Engr., VI Circle.

From Captain H. A. STREET, H.M.'s I.M., Presidency Port officer, to the Chief Engineer, Public Works Department, dated Madras, 4th April 1891, No. 690/38 P.W.

In forwarding the accompanying report on the Pámban light-house and apparatus by the Superintending Engineer, VI Circle, I have the honor to state that, in my opinion, it would be preferable to raise the lantern to the height requisite to enable the light-keeper on duty to move about with ease and freedom and the lantern at Tuticorin light-house might be taken as a guide.

2. In estimating for such an alteration due attention should be paid (*a*) to placing the sash bars so as to offer the least obstruction to the light and also (*b*) to Mr. Douglass' remarks in paras. 13 and 14 of his report on the Madras light-house regarding windows and ventilation.

3. Mr. Martin's remarks regarding the necessity of an additional light-keeper will receive attention.

4. I quite agree with the remarks of the Superintending Engineer respecting the iron oil tanks. The position of the cock, to which he refers, was fixed by Government (see G.O., No. 252, dated 8th July 1890).

5. The attention of the Port officer will be called to the remarks contained in the concluding portion of Mr. Martin's report.

P.S.—I further beg to point out that it is not stated in Mr. Martin's report that the lightning conductor had been tested, and, as this is requisite, I would suggest that the Superintending Engineer should be desired to have the conductor tested as soon as practicable.

ORDER—dated 18th April 1891, No. 1077 W., Public Works.

Communicated to the Marine Department.

2. The Superintending Engineer will submit an estimate for carrying out the alteration suggested in paras. 1 and 2 of the Presidency Port officer's letter. Steps should be taken to have the lightning conductor tested if this has not already been done.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 18th.

Recd. *Encl.*

G.O., 18th April 1891, No. 1077 W

APRIL.

Pamban Light-house

The Superintending Engineer, VI Circle, directed to submit an estimate for carrying out the alterations to the — suggested by the Presidency Port officer.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Colonel C. A. PORTEOUS, Acting Inspector-General of Police, to the Chief Secretary to Government, dated Madras, 19th September 1890, No. 5353.

I have the honor to bring to your notice the very unsatisfactory state of the Jaganadarajpuram station-house in the Chípurupalle division of the Vizagapatam district.

2. This station-house was built by the Public Works Department at a cost of Rs. 1,520 and handed over to the Police in December 1884. In January 1886 it exhibited a large crevice at the back entirely from roof to foundation and several cracks in front. It is now absolutely dangerous and I have ordered it to be vacated.

3. A copy of the Superintendent's report on the state of the station is forwarded for your information.

ENCLOSURE.

From L. G. ARBUTHNOTT, Esq., Superintendent of Police, Vizagapatam district, to the Inspector-General of Police, dated Vizagapatam, 1st September 1890, No. 646.

As directed on the Deputy-Inspector-General's inspection report of this district, I have the honor to bring to your notice the state of the Jaganadarajpuram station in the Chípurupalle division. This station was built in December 1884 by the Public Works Department at a cost of Rs. 1,520. On your inspection of the station on the 26th January 1886, you remark as follows:—"The building, though only very recently completed at considerable cost by the Public Works Department, has a large crack extending from roof to foundation at the back and several cracks in the front." Since this remark the cracks have extended and now appear on all sides. The building is in a very bad state both as regards walls and roofs and is, I think, dangerous. The original construction must have been very faulty and to account for all the cracks in the walls the only conclusion I can come to is that the foundations must have been scamped.

Referred to the Public Works Department for remarks.

24th September 1890. (Signed) A. BUTTERWORTH,
Ag. Assistant Secretary.

No. 3920 C.

Referred to the Superintending Engineer, I Circle, for favor of early report with respect to the statements made by the District Superintendent of Police.

(By Order.)

29th September 1890. (Signed) W. L. C. BADDELEY, Major, R.E.,
Under-Secy. to Govt., P.W.D.

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Gajapatinagaram, 27th March 1891, No. 3 V.Z.

With reference to your endorsement No. 3920 C., dated 29th September 1890, on a letter from the Inspector-General of Police regarding the unsafe condition of the Police station at Jaganadarajpuram, Vizagapatam district, I have the honor to forward a report by the Executive Engineer, Vizagapatam division.

2. From the report it will be observed that the foundations appear to be sound, but that the superstructure has cracked badly.

3. The cause of the cracks appear to be partly due to bad construction and the use of inferior lime and partly to the faulty design of the roof. The span of the roof in question is 17 feet 10 inches and had the couples been connected by collars the outward thrust of the rafters would have been diminished.

4. The construction of the building was supervised by the late Mr. T. D. Harris and Sub-Engineer Mr. T. T. Raghavacharyar.

5. I have to regret the delay in replying to this reference. The Executive Engineer was called on for a report early in October 1890; in January 1891 he forwarded a report from a subordinate. I then called for a report after his own personal inspection, which was received in March 1891.

6. As the foundations are sound, it will only be necessary to rebuild the superstructure, utilizing the materials from the present building and remedying the defect of the roof by the addition of collars to the couples.

ENCLOSURE.

From J. TRAILL, Esq., Executive Engineer, Vizagapatam division, to the Superintending Engineer, I Circle, dated Vizianagrum, 10th March 1891, No. 30 C.

With reference to your No. 70 C., dated 5th February 1891, I have the honor to report that I inspected the Police station referred to on the 18th idem.

2. I had pits dug down to the bottom of the foundations at all the main cracks and found no cracks below the basement in any case.

3. The foundations are of stone in chunam 1 foot thick over 9 inches of concrete and show no signs of settlement or cracks.

4. I removed patches of plaster in various places to examine the quality of the work in superstructure. The bricks seemed fair, but somewhat brittle, but the mortar is very sandy and has *apparently* been made with old lime. The joints are also very thick and this accounts, I think, in great measure for the failure of the walls and for the cracks over the windows.

5. The back wall has been forced very slightly out of the perpendicular by the thrust of the rafters which have no collar pieces or tie beams, but rest on purlins which are supported by the gable of the end and partition walls. These purlins have sunk into the brick work and acting as wedges have started cracks over the doors, which are situated almost below them.

6. The building was constructed in 1884 during the time of Mr. T. D. Harris and was supervised by Mr. T. T. Raghavacharyar, Assistant Engineer.

7. I do not anticipate any immediate danger; the building might stand for years yet, but, where human life is in question, it is best to be on the safe side and I should therefore recommend that the building be vacated.

8. I am of opinion that all the walls above basement level should be demolished and rebuilt, the only alteration required in the design being the addition of collar pieces to the couples and the insertion of cut stones on the gable slope for the purlins to rest on.

9. If you approve of this suggestion I will have an estimate prepared.

10 I regret the delay in replying to this reference, but owing to my being ill, when it was received, I referred the matter to the Sub-divisional officer.

11. I do not forward any sketches of the cracks as those forwarded with the supervisor's report will give you a correct idea of them.

ORDER—dated 18th April 1891, No. 1078 W., Public Works.

Communicated to the Judicial Department with reference to its endorsement, dated 24th September 1890.

2. The Superintending Engineer will at once submit an estimate for rebuilding the superstructure of the Police station, which should meanwhile be vacated. Mr. T. T. Raghavacharyar, Sub-Engineer, 3rd grade, will be called on by the Superintending Engineer, V Circle, to explain his neglect of supervision resulting in faulty construction and the use of inferior materials.

3. The delay in submitting this report is unsatisfactory.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " " V "
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 18th.

Recd. *Encl.*

G.O., 18th April 1891, No. 1078 W.

APRIL.

Police Station

Passing orders regarding the unsafe condition of the — at Jaganadarajpuram in the Vizagapatam division and directing the Superintending Engineer, I Circle, to submit an estimate for rebuilding the superstructure.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 20th November 1890, No. 504 G.L.

With reference to your memo. No. 3965 C., dated the 2nd October 1890, I have the honor to submit, herewith, a proposition statement in the prescribed form for the temporary establishment required in the circle for the next official year 1891-92.

2. Although* the Parlákimedi estate was handed over to the proprietor, the clerk on Rs. 20 for the Circle office is applied for for the next year, as it is likely that the execution of works in the large estate of Pitháp uram (in the Godávari district) now under the Court of Wards since the death of the proprietor in July 1890 will be transferred to this department.

* *Vide* G.O., No 1010 W., dated 11th April 1889.

3. The two † temporary clerks for the Godávari Western division office have already been applied for for the current year in this office letter No. 1214 G.D., dated the 7th September 1890, and the necessity for them has been explained therein.

	RS.	
† One on	20	per month.
One "	14	"

ENCLOSURE.

PROPOSITION statement for revision of the temporary establishment of the I Circle for 1891-92.

Order sanctioning the present establishment. Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of change.												Proposition.						Remarks.
			Present scale.						Proposed scale.						Permanent.		Temporary.				
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
Number.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
		Superintending Engineer's.		OFFICE ESTABLISHMENT.	RS.	RS.	RS.	RS.		OFFICE ESTABLISHMENT.	RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.	
156 W.	18th Jan. 1890.		1	Estate clerk	..	..	..	30	1	Estate clerk	..	..	..	30	..	..	..	..	..	..	
Do.	Do.		1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..	
				PETTY ESTABLISHMENT.						PETTY ESTABLISHMENT.											
1841 W.	4th July 1890.		1	Sweeper	..	..	..	3	1	Sweeper	..	..	..	3	..	..	..	..	..	..	
			3	Total ..	..	..	..	53	3	Total ..	..	..	..	53	..	..	..	..	..	..	
		Godávari Eastern division.		OFFICE ESTABLISHMEMT.						OFFICE ESTABLISHMENT.											
				Dumagudem Sub-division.						*Dumagudem Sub-division.*											
1315 W.	10th May 1890.		1	Clerk in charge of stores.	..	..	..	10	1	Clerk in charge of stores.	..	..	..	10	..	..	..	..	..	..	The Sub-divisional clerk is in charge of the stores and Rs. 10 are allowed to him for the additional work. This has been done for several years past.
			1	Do. for sub-division ..	..	..	..	20	1	Do. for sub-division ..	..	..	..	20	..	..	..	..	..	..	
				Delta Sub-division.						*Delta Sub-division.*											
2357 W.	1st Sept. 1890.		1	Clerk	..	..	..	15	1	Clerk	..	..	..	15	..	..	..	..	..	..	The accounts and correspondence in the sub-division are so heavy that the Sub-divisional clerk cannot keep pace with the work without an assistant.
				PETTY ESTABLISHMENT.						PETTY ESTABLISHMENT.											
1315 W.	10th May 1890.		4	Sweepers for Divisional and Sub-divisional offices.	..	..	..	4½	4	Sweepers for Divisional and Sub-divisional offices.	..	..	.	*4½	..	..	..	..	..	..	
			7	Total ..	..	..	..	49½	7	Total ..	..	..	..	49½	..	..	..	..	..	..	

		Godávari Western Division.		OFFICE ESTABLISHMENT. *For Divisional Office.*						OFFICE ESTABLISHMENT. *For Divisional Office.*											
..	..		..	....	..	..	..	..	1	Clerk	..	..	..	20	..	..	12	20	..	..	Para. 3 of the Superintending Engineer's letter, printed with G.O., No. 3010 W., dated 13th Nov. 1890.
..	..		..	....	..	..	..	..	1	Do.	..	..	..	14	..	..	12	14	..	..	
1315 W.	10th May 1890.		1	Licensing clerk ..	..	..	..	12	1	Licensing clerk ..	..	..	..	12	..	..	..	..	..	..	Required for six months from April to September 1891.
				PETTY ESTABLISHMENT.						PETTY ESTABLISHMENT.											
2337 W.	29th Aug. 1890.		1	Sweeper for Divisional office.	..	..	..	3	1	Sweeper for Divisional office.	..	..	..	3	..	..	..	..	..	..	
Do.	Do.		3	Sweepers for Central delta, Eastern and Western Sub-divisional offices.	..	..	..	3	3	Sweepers for Central delta, Eastern and Western Sub-divisional offices.	..	..	..	3	..	..	..	..	..	..	
			5	Total ..	..	..	..	18	7	Total ..	..	..	..	52		..	12	34	..	..	
1315 W.	10th May 1890.	Vizagapatam Division.	1	Watcher to look after the general stores at Vizagapatam.	..	..	..	4	1	Watcher to look after the general stores at Vizagapatam.	..	..	..	4	..	..	..	..	..	..	
				IRRIGATION ESTABLISHMENT.						IRRIGATION ESTABLISHMENT.											
Do.	Do.		10	Irrigation lascars, each at Rs. 4-8-0.	..	..	..	45	10	Irrigation lascars, each at Rs. 4-8-0.	..	..	..	45	..	..	..	..	..	..	Required for seven months from 1st July 1891 to 31st January 1892.
				PETTY ESTABLISHMENT.						PETTY ESTABLISHMENT.											
Do.	Do.		1	Sweeper for Divisional office.	..	..	..	3	1	Sweeper for Divisional office.	..	..	..	3	..	..	..	..	..	..	
			12	Total ..	..	..	..	52	12	Total ..	..	..	..	52	..	..	..	..	..	..	
		Ganjam Division.		*Divisional Office.*						*Divisional Office.*											
1853 W.	7th July 1890.		1	Clerk	..	..	..	20	1	Clerk ..	..	..	..	20	..	..	..	..	..	..	Required to do the work connected with the estates now in charge of the Ganjam Divisional officer.
Do.	Do.		1	Store-watcher ..	..	..	..	3½	1	Store-watcher ..	..	..	..	3½	..	..	..	..	..	..	
1376 W.	16th May 1890.		1	Messenger	..	..	..	6	1	Messenger	..	..	..	6	..	..	..	..	..	..	
1853 W.	7th July 1890.		3	Clerks at Rs. 20 each ..	..	..	..	60	2	Clerks at Rs. 20 each ..	..	..	..	40	..	..	..	..	12	20	Required for overseers; the salary is proposed at Rs. 20 instead of Rs. 15 as it is difficult to get passed men on Rs. 15 for temporary appointments.
			10	Total ..	..	..	..	89½	9	Total ..	..	..	..	69½	..	..	..	..	12	20	

		RS.	A.	P.
* Divisional office	.. ..	2	8	0
Head Works Sub-division office	.. .. ..	1	0	0
Pelta do. do. do.	.. .. ..	0	8	0
Rajahmundry do. do.	.. .. ..	0	8	0
Total	..	4	8	0

Proposition statement for revision of the temporary establishment of the I Circle for 1891-92—*cont.*

Order sanctioning the present establishment. Government of Madras, Public Works Department. Number.	Date.	Office to which the proposition refers.	Nature of change. Present scale. Number.	Present scale. Designation.	Present scale. Pay. Minimum.	Present scale. Pay. Increment.	Present scale. Pay. Maximum.	Present scale. Pay. Average or fixed.	Proposed scale. Number.	Proposed scale. Designation.	Proposed scale. Pay. Minimum.	Proposed scale. Pay. Increment.	Proposed scale. Pay. Maximum.	Proposed scale. Pay. Average or fixed.	Proposition. Permanent. Increase per month. Amount.	Proposition. Permanent. Decrease per month. Amount.	Proposition. Temporary. Increase per month. Period.	Proposition. Temporary. Increase per month. Amount.	Proposition. Temporary. Decrease per month. Period.	Proposition. Temporary. Decrease per month. Amount.	Remarks.
		Rushikulya Division.		PETTY ESTABLISHMENT.	RS.	RS.	RS.	RS.		PETTY ESTABLISHMENT.	RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.	
1315 W.	10th May 1890.		1	Hospital Assistant, 1st class.	..	..	..	55	1	Hospital Assistant, 3rd class.	..	..	..	25	..	..	..	..	12	30	A third-class hospital assistant has been posted to the division; hence the decrease.
Do. and 2798 W.	Do. and 21st Oct. 1890.			Charge allowance ..	..	..	..	15	..	Charge allowance ..	..	..	..	15	..	..	..	..	..	..	
Do.	Do.		1	Lascar and compounder.	..	..	..	6	1	Lascar and compounder.	..	..	..	6	..	..	..	..	..	..	
2366 W.	3rd Sept. 1890.		4	Watchers to rest-houses at Rs. 4 each.	..	..	..	16	4	Watchers to rest-houses at Rs. 4 each.	..	..	..	16	..	..	..	..	..	..	
Do.	Do.		1	Sweeper for Divisional office.	..	..	..	4	1	Sweeper for Divisional office.	..	..	..	4	..	..	..	..	..	..	
Do.	Do.		1	Sweeper for Aska Sub-divisional office.	..	..	..	5	1	Sweeper for Aska Sub-divisional office.	..	..	..	5	..	..	..	..	..	..	
Do.	Do.		1	Sweeper for Russellkonda Sub-divisional office.	..	..	..	4	1	Sweeper for Russellkonda Sub-divisional office.	..	..	..	4	..	..	..	..	..	..	
Do.	Do.		1	Sweeper for Sub-Engineer's office.	..	..	..	3	1	Sweeper for Sub-Engineer's office.	..	..	..	3	..	..	..	..	..	..	
Do.	Do.		1	Watcher to rest-house at Suradá.	..	..	..	4½	1	Watcher to rest-house at Suradá.	..	..	..	4½	..	..	..	..	..	..	
				OFFICE ESTABLISHMENT.						OFFICE ESTABLISHMENT.											
2222 W.	14th Aug. 1890.		1	Clerk for Divisional office.	..	..	..	15	1	Clerk for Divisional office	..	..	..	15	..	..	..	..	..	..	
Do.	Do.		2	Clerks for Aska and Russellkonda Sub-divisional offices at Rs. 20 each.	..	..	..	40	2	Clerks for Aska and Russellkonda Sub-divisional offices at Rs. 20 each.	..	..	..	40	..	..	..	..	..	..	
			14	Total ..	..	..	..	167½	14	Total ..	..	..	..	137½	..	..	..	..	12	30	
			51	Grand total ..	..	..	..	429½	52	Grand total ..	..	..	..	413½	..	..	..	34	..	50	

DOWLAISHWERAM,
20th November 1890.

(Signed) G. D. WYBROW,
Superintending Engineer, I Circle.

From the Examiner, Public Works Accounts, dated Madras, 2nd April 1891, No. 1938.

From the Superintending Engineer, I Circle, dated 2nd March 1891, No. 706 G.L.

Order—dated 18th April 1891, No. 1079 W., Public Works.

The temporary establishment required in the I Circle during 1891-92, as detailed in the statement submitted by the Superintending Engineer with his letter No. 504 G L., dated 20th November 1890, is sanctioned with the exception of the clerk on Rs. 20 proposed by the Superintending Engineer in anticipation of the Pithápuram estate works being handed over to the charge of the Public Works Department. The proposal may be resubmitted when the necessity arises.

2. This sanction has been registered as Provincial No. 9 W. of 1891-92 and classified as Establishment, Temporary.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle,
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 18th.

Recd. *Encl.*

G.O., 18th April 1891, No. 1079 W.

APRIL.

Establishment

Sanctioning certain temporary — required in the I Circle during 1891-92.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

G.O., dated 3rd April 1891, No. 258, Revenue.

Read—the following letter from J. H. A. TREMENHEERE, Esq., Acting Collector of Chingleput, dated Saidápet, 30th March 1891, Ref. on No. 73 G. & B. :—

With reference to G.O., No. 238, dated 24th instant, I have the honor to submit a complete list of major irrigation works (including canals) which are now in progress and those for which estimates are ready to be undertaken when required.

2. I also enclose a list of major works arranged according to the degree of urgency proposed to be taken up as necessity arises, for which I have asked the Superintending Engineer to have estimates prepared *at once*, so that they may be started on the shortest possible notice.

3. As regards the Local fund and minor irrigation works, the estimates are ready and the work will be commenced from 1st April.

ENCLOSURE.

[NOTE.—Numbers above the line are Survey map numbers ; those below Imperial Irrigation numbers.]

PONNERI TALUK.

Works in progress.

	RS.
1. Arni river embankment	2,500
2. Do. diversion	6,220

Estimate ready.

1. Kortalayár embankment above Velliyur	6,000
Do. do. below do.	8,100
2. * Pulicat-Chintamany canal diversion (work for 600 men for 6 months).	
3. * Irugam (Nellore district) island, embanking	17,800

TIRUVALLUR TALUK.

Works in progress (Kodur tract).

		RS.
1. Kodur	272/11-I	6,200
2. Kambakkam	270/12-I	

Estimate ready.

1. Santavelur	281/3-I	3,000
2. Varadiapoliem	271/13-I	650

* NOTE.—These need not be taken up for the present for reasons stated in this office No. A., dated 25th March, to the Secretary to Board (Settlement Department).

Periyapálaiyam tract.

1. *Vadamadurei side.*

Works in progress.

		RS.
1. Vadamadurei tank	165/76-I	2,410

Estimate probably ready.

1. Vadamadurei channel		3,000

2. *Uttukottei side.*

Estimate ready.

1. Uttukottei tank	230/72-I	3,800
2. Kakavakkam channel	161/73-I	650

SAIDAPET TALUK.

Estimate ready.

1. Porur tank	161/253-I	2,627
2. Maduravoyal tank	164/254-I	3,535
3. Tirumushi tank	134/250-I	4,266
4. Madras water works distributaries		10,418
5. Sholavaram drain close to the above		550
6. Valangadupakkam channel close to the above		340

CHINGLEPUT TALUK.

Estimates ready.

		RS.	
1. Diversion of canal, Covelong to Sadras (1,800 laborers could be employed for one year)		60,000	
2. Nemali tank	261/452-I	2,170	Not sanctioned.
3. Kadambadi tank	174/413-I	2,550	

MADURANTAKAM TALUK.

Estimate ready.

		RS.	
1. Tinnalur tank	122/659-I	4,730	
2. Uttramerur tank supply channel	53/537-I	7,500	Do.
3. Ravatanallur tank	190/708-I	1,210	
4. Melmavadur tank	192/706-I	2,330	Not yet sanctioned.
5. Acharavakkam tank ...	106/709-I	3,450	
6. Do. thangal ...	106/710-I	3,040	
7. Tenpakam tank	154/711-I	4,060	
8. Do. thangal	154/712-I	2,020	

PONNERI TALUK.

To be estimated.

1. Arni tank and channel	129/60 & 81-I
(b) 2. Sinnambedu tank and channel	127/82 & 83-I
3. Medur tank	178/55-I

4. Some more tanks needing repair to the north-west and west of Medur.

TIRUVALLUR TALUK.

(a) Periapálaiyam tract.

	(i) Vadamadurei side—	
	1. Vadamadurei channel	165/75-I
	2. Tirukandalam tank	94/113-I
(a)	3. Panayanjeri tank	188/102-I
	4. Akkarambakkam tank	186/105-I
	5. Madureivasal tank	187/103
	6. Some more tanks needing repair near these.	
	(ii) Uttukottei side.	
	1. Uttukottei supply channel	230/71-I
	2. Palavakkam tank	212/94-I
(a)	3. Senkarei tank	210/95-I
	4. Kalpattu tank	156/98-I
	5. Some more tanks needing repair near these.	

(b) Kodur tract.

	1. Arudur tank	269/10-I
(b)	2. Ambur tank	279/4-I
	3. Pandur channel	62/5
	4. Any other work north of Pandur requiring repair.	

(b) SAIDAPET TALUK.

It should be ascertained whether any tanks or channels require repair and they should be estimated for.

CHINGLEPUT TALUK.

A series of tanks needing repair to be selected and estimated for at once within the following area, viz., a circle drawn through Irrigation No. 379 on the north, 391,395—399 and 458 on the west, 465 and 412 on the south, and the coast to the east.

In case such works cannot at once be selected, the following numbering may be adopted :—

	1. Manambadi tank	145/400-I
	2. Madayattur tank	122/402-I
	3 Amur tank	133/407-I
	4. Sirudavur tank	130/404-I
(a)	5. Thyur tank	52/381-I
	6. Kalivanthapattu tank	55/388-I
	7. Tirukalikundram tank	224/464-I
	8. Kadambadi tank	174/413-I
	9. Punjeri tank	163/410-I
	10. Acharavakkam tank	134/403-I

(b) MADURANTAKAM TALUK.

Works requiring repair to be selected and estimated within the following boundaries :—

North.—A line running two miles north of the Wandiwash-Cheyúr road.
East.—A line running two miles east of the railway.
South.—The South Arcot boundary.
West.—The North Arcot boundary.

The letter (a) in *block* type against the two sub-divisions of the Periapálaiyam tract and against Chingleput represents the first degree of urgency. In each of these three, an overseer is wanted at once to commence the preparation of the series of estimates in the order noted.

The letter (b) represents the second degree of urgency, where enough work is now going on to give us some little time before the estimates will be required; but here also is urgency and here also the estimates should be prepared in the order given.

SAIDAPET,
30th March 1891.

(Signed) J. H. A. TREMENHEERE,
Acting Collector.

Order—dated 3rd April 1891, No. 258, Revenue.

Miscellaneous.

Transferred to the Department of Public Works in continuation of G.O., dated 1st instant, No. 247, with a view to the preparation of estimates for the work specified by the Collector without delay and to the selection of further works within the areas indicated and the preparation of estimates for those selected.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

G.O., dated 6th April 1891, No. 2174, Revenue.

Read—the following Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), dated 2nd April 1891, Mis. No. 1509:—

Read—the following letter from the Collector of Chingleput, dated 24th March 1891, Reference on No. 172/S.L.R.:—

In continuation of my letter, Reference on No. 151 G. and B./S.L.R., dated 18th instant, I have the honor to submit a supplemental list of Major Irrigation works, selected in consultation with the Executive Engineer, which are proposed to be executed in the affected parts of the Tiruvallúr taluk.

2. Number 1 is proposed to be taken up departmentally as soon as the first overseer arrives and No. 3 as soon as the second.

ENCLOSURE.

LIST of Supplemental Major Irrigation works in the Tiruvallúr taluk (drawn up with the Executive Engineer).

First overseer to commence at once.

1. Vadamadurei tank and channel * ...	Channel not yet estimated; to be estimated by the overseer over the work.
2. Tirukandlam †	About Rs. 1,000.

Second overseer to take up on arrival.

3. Uttukottei tank and supply channel *	Latter not yet estimated. The same overseer may estimate.
4. Palavakkam tank	About Rs. 3,000.
5. Sengarai tank	About Rs. 2,300.

(Signed) C. RAGHAVA RAO,
for Acting Collector.

Resolution—dated 2nd April 1891, Mis. No. 1509.

Submitted to Government in continuation of Board's Proceedings, dated 23rd March 1891, No. 157.

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* This is already in the list. † Already entered in the list.

Order—dated 6th April 1891, No. 2174, Revenue.

Transferred to the Department of Public Works in continuation of G.O., dated 3rd instant, No. 258.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 18th April 1891, No. 1082 W., Public Works.

Communicated, together with G.O., No. 2174, dated 6th April 1891 (Revenue), to the Superintending Engineer, V Circle, for information and guidance, in continuation of G.O., No. 903 W., dated 1st April 1891. The matter should receive early attention.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Chief Engineer for Irrigation.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 18th.

Recd. *Encl.*

G.O., 18th April 1891, No. 1082 W.

APRIL.

Famine Relief Works, Chingleput District

Proceedings, Revenue Department, communicating letter from the Collector submitting a list of works to be undertaken as — and requesting the preparation of estimates for the same without delay, communicated to the Superintending Engineer, V Circle, for early attention.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

Resolution of the Government of India in the Public Works Department (Account —Civil Works), dated Calcutta, 16th March 1891, No. 1/B.O./A.—C.W.

Read—

Revised estimate for 1890-91 and budget estimate for 1891-92 (Civil Works—Imperial), Madras.

Read—

Public Works Department Resolution No. 6-A.—C.W., dated 9th January 1891.
Proceedings of the Madras Government, „ 286 W., „ 29th „ „

Resolution.—The details of the estimates passed by the Government of India are shown in the following table :—

—	Actuals, 1889-90.	Budget estimate, 1890-91.	Revised estimate, 1890-91.	Budget estimate, 1891-92.
	RS.	RS.	RS.	RS.
45. *Expenditure.*				
Civil buildings { Original works— In progress .. Not commenced ..	3,555	5,000	5,200	22,500 ..
Civil buildings { Repairs ..	19,280	13,000	16,700	16,000
Total works and repairs ..	22,835	18,000	21,900	38,500
Establishment ..	5,252	4,100	5,000	8,500
Tools and plant ..	343	300	400	600
	28,430	22,400	27,300	47,600
Net modifications sanctioned since the submission of the estimate.	..	..	* 600	..
Grand total ..	28,430	22,400	27,900	47,600
Deduct— Expenditure in England ..	..	..	..	3,500
Loss by exchange ..	..	..	..	1,400
Net expenditure ..	28,430	22,400	27,900	42,700

* To be distributed over departmental heads in the final issue.

2. The allotments for the construction of a telegraph office at Guntakal and for covering the roof of the telegraph office at Madras with sheet lead are passed on the condition that work is not commenced until the plans and estimates have been sanctioned by competent authority.

Order.—Ordered that the foregoing be communicated to the Government of Madras, for information and guidance, with the request that 35* printed copies of the budget estimate, as now passed,

* Ten copies to Simla and the remainder to Calcutta.

may be submitted, so as to reach the Government of India not later than the 1st May 1891.

(Signed) A. G. BEGBIE, Lt.-Col., R.E.,
Depy. Secy. to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

Telegram from the Government of India, Public Works Department, dated 11th April 1891.

ORDER—dated 20th April 1891, No. 1085 W., Public Works.

The revised and budget estimates of charges under Imperial Civil Works for 1890-91 and 1891-92, respectively, have been prepared for the amounts passed by the Government of India in its Resolution read above.

2. The revised estimate of charges for 1890-91, as shown in the preliminary issue of the budget estimate, amounted to Rs. 27,258, but the modifications of grants subsequently sanctioned increased the amount to Rs. 27,434. The Government of India having included in the revised estimate the allotment of Rs. 454 sanctioned for the new iron spiral staircase in the telegraph office at Madras, but subsequently withdrawn by the Director-General of Telegraphs, and the estimate having been passed for Rs. 27,900 in round figures, that sum has been adopted in the final budget and the necessary alterations have been made under departmental heads.

3. The attention of the Superintending Engineer, III Circle, and the Consulting Architect to Government is drawn to para. 2 of the Resolution of the Government of India above recorded. Plans and estimates for the works referred to therein should be submitted with the least possible delay.

4. As the grants for minor works under Postal and Telegraph have been placed at the disposal of the Directors-General of Post offices and Telegraphs, respectively, Superintending Engineers and the Consulting Architect to Government will apply direct to those officers for funds required for incomplete and new works under those heads.

5. The grants for repairs under Postal and Telegraph have been distributed among the several divisions in part II of the budget estimate.

6. The statement to be submitted by Superintending Engineers and the Consulting Architect with reference to para. 1322 of the Public Works Code should contain no demands under Imperial Civil Works.

7. With these remarks the final issue of the Imperial Civil Works budget estimate for 1891-92 will be printed and circulated for the information and guidance of the officers concerned and 35 copies, as shown in the margin, will be forwarded to the Government of India, Public Works Department.

Ten copies to Simla.
Twenty-five copies to Calcutta.

(Here enter No. 1086 W., dated 20th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Director-General of Post Offices.
" " of Telegraphs.
" Postmaster-General.
" Chief Superintendent of Telegraphs, Madras division.
" Financial Department.

Endorsement—dated 20th April 1891, No. 1086 W., Public Works.

Forwarded.

(By Order.)

(Signod) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 20th.

Recd. *Encl.*

G.O., 20th April 1891, Nos. 1085, 1086 W.

APRIL.

Imperial Civil Works Budget Estimate for 1891-92

Forwarding copies of the —.

FINAL ISSUE.

IMPERIAL.
CIVIL WORKS.

MADRAS.

PUBLIC WORKS DEPARTMENT.

IMPERIAL BUDGET-ESTIMATE

OF

CIVIL WORKS

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1891-92.

MADRAS,
20th April 1891.

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secretary to Govt., P.W.D.

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REVENUE.

ABSTRACT OF THE BUDGET-ESTIMATE OF REVENUE OF THE PUBLIC WORKS DEPARTMENT FROM CIVIL WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1891 TO 31st MARCH 1892.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
In Public Works Department	...	...	...	...
In Civil Department	...	...	...	...
Total ...	...	...	...	...

CHARGES.

ABSTRACT OF THE BUDGET-ESTIMATE OF EXPENDITURE OF THE PUBLIC WORKS DEPARTMENT ON CIVIL WORKS IN MADRAS FOR THE YEAR FROM 1st APRIL 1891 TO 31st MARCH 1892.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
Civil Buildings. Original Works— In progress ... ... / Not commenced	3,555	5,000	6,490	22,500
Civil Buildings. Repairs	19,280	13,000	16,080	16,000
Communications. Original Works— In progress	...	...	...	...
Communications. Not commenced	...	...	...	...
Communications. Repairs	...	...	...	...
Miscellaneous Public Improvements. Original Works— In progress	...	...	...	...
Miscellaneous Public Improvements. Not commenced	...	...	...	...
Miscellaneous Public Improvements. Repairs	...	...	...	...
Establishment. Regular	5,252	4,100	4,970	8,500
Establishment. Special	...	...	...	...
Tools and Plant	343	300	360	600
Suspense Accounts	...	...	...	...
Grand Total ...	28,430	22,400	27,900	47,600
Deduct. Expenditure in England	...	...	...	3,500
Deduct. Loss by exchange	...	...	...	1,400
Net Expenditure ...	28,430	22,400	27,900	42,700

ABSTRACT OF THE CHARGES TO BE INCURRED IN THE PUBLIC WORKS DEPARTMENT FROM IMPERIAL, LOCAL FUNDS AND CONTRIBUTIONS IN BOTH INDIA AND ENGLAND.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92. Original Works. In progress.	Original Works. Not commenced.	Original Works. Total.	Repairs.	Establishment.	Tools and Plant.	Suspense Accounts.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Imperial Funds—											
In India ...	28,430	22,400	27,900	...	17,600	17,600	16,000	8,500	600	...	42,700
In England	...	...	...	...	3,500	3,500	...	...	...	.	3,500
Loss by exchange ...	...	...	...	...	1,400	1,400	...	...	...	...	1,400
Total ...	28,430	22,400	27,900	...	22,500	22,500	16,000	8,500	600	...	47,600
Provision from Local Funds—											
In India ...	...	...	...	...	...	...	...	...	...	...	...
Provision from Contributions—											
In India ...	...	...	...	...	...	...	...	...	...	...	...
Grand Total ...	28,430	22,400	27,900	...	22,500	22,500	16,000	8,500	600	...	47,600

STATEMENT SHOWING THE WORKS ON WHICH OUTLAY IN ENGLAND ABOVE PROVIDED FOR IS TO BE INCURRED.

—	Actuals, 1889-90.	Budget-Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget-Estimate, 1891-92. Original Works. In progress.	Original Works. Not commenced.	Original Works. Total.	Repairs.	Tools and Plant.	Suspense Accounts.	Total.
Original Works.	Rs	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Item No. 2. Covering the roof of the Telegraph office at Madras with sheet lead	...	...	...	...	3,500	3,500	...	...	...	3,500
Loss by exchange ...	...	...	...	...	1,400	1,400	...	...	...	1,400
Total ...	...	...	...	...	4,900	4,900	...	...	...	4,900

PA

DETAIL OF THE BUDGET-ESTIMATE

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.
				IMPERIAL—CIVIL WORKS.
				CIVIL BUILDINGS.
				Original Works.
Telegraph	Bellary ...	Guntakal ...	1	Telegraph Office ... ...
	Consulting Architect.	Madras ...	2	Covering roof of Telegraph Office with sh lead ... ...
				Total, Telegraph Buildings
				Total, Civil Buildings
				Communications ... ...
				Miscellaneous Public Improvements
				Total, Original Work

I.

ORIGINAL WORKS FOR THE YEAR 1891-92.

Amount of Estimate.	Outlay. Actual to end of 1889-90.	Outlay. Probable during 1890-91.	Grant, 1891-92. Works in progress.	Grant, 1891-92. Works not commenced.	Grant, 1891-92. Total.	Item No.	Remarks and References.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	...	14,300	...	1	
...	...	...	...	8,200	...	2	Estimate is awaited.
...	...	...	...	22,500	22,500		
...	...	...	...	22,500	22,500		
...	...	...	...	...	...		
...	...	...	...	...	...		
...	...	...	...	22,500	22,500		

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS UNDER IMPERIAL CIVIL WORKS IN MADRAS FOR THE YEAR 1891-92.

Head of Classification.	Executive Division.	Locality.	Items.	Estimate, 1891-92.		Estimate, 1890-91.	
				Amount.	Total.	Amount.	Total.
				Rs.	Rs.	Rs.	Rs.
			Civil Buildings.				
Postal ...	Vizagapatam.	...	Annual repairs	500	...	...	...
	Godávari, Eastern.	...	Do.	600	...	...	...
	Kistna, Eastern.	...	Do.	100	...	...	...
	Kistna, Western.	...	Do.	100	...	...	...
	Nellore ...	...	Do.	21	...	...	...
	Bellary ...	...	Do.	400	...	...	...
	Cuddapah ...	...	Do.	200	...	...	...
	Kurnool ...	...	Do.	200	...	...	...
	Coimbatore ...	...	Do.	800	...	...	...
	West Coast ...	...	Do.	600	...	...	...
	North Arcot ...	...	Do.	500	...	...	...
	South Arcot.	...	Do.	150	...	...	...
	Tanjore ...	...	Do.	300	...	...	...
	Negapatam ...	...	Do.	100	...	...	...
	Madura ...	...	Do.	300	...	...	...
	Tinnevelly ...	...	Do.	400	...	...	...
	Architect	...	Do.	2,100	...	...	...
	Reserve with the Government.	...	Do.	629	...	...	...
			Total, Postal ...	...	8,000	...	8,000
Telegraph.	Vizagapatam.	...	Annual repairs	300	...	...	...
	Godávari, Eastern.	...	Do.	3,500	...	...	...
	Kistna, Eastern.	...	Do.	600	...	...	...
	Kistna, Western.	...	Do.	100	...	...	...
	Bellary ...	...	Do.	200	...	...	...
	Coimbatore ...	...	Do.	200	...	...	...
	Negapatam ...	...	Do.	80	...	...	...
	Tinnevelly ...	...	Do.	1,140	...	...	...
	Architect ...	...	Do.	1,500	...	...	...
	Reserve with the Government.	...	Do.	380	...	...	...
			Total, Telegraph ...	...	8,000	...	5,000
			Total, Civil Buildings ...	...	16,000	...	13,000

APPENDIX A.

ABSTRACT OF THE GRANTS FOR 1891-92 FOR CIVIL WORKS, ARRANGED BY DEPARTMENTS AND DEPARTMENTAL HEADS.

—	Original Works.		Repairs.	Total Works and Repairs.	Establishment.	Tools and Plant.	Total, 1891-92.	Revised Estimate, 1890-91.
	In progress.	Not commenced.						
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Civil Buildings.								
Post Office	...	...	8,000	...	...	...	...	...
Telegraphs	...	22,500	8,000	...	...	...	...	...
Total, Civil Buildings ...	...	22,500	16,000	38,500	8,500	600	47,600	27,900
Communications	...	...	...	...	...	...	...	...
Miscellaneous Public Improvements	...	...	...	...	...	...	...	...
Total ...	...	22,500	16,000	38,500	8,500	600	47,600	27,900

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Major D. McN. CAMPBELL, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepâk, 2nd April 1891, No. 153 W.

I have the honor to forward a special indent submitted by the General Superintendent, Public Works Stores, on the Director-General of Stores in England for round iron, flat iron, paint, &c., required in the workshops and for issue to other divisions.

Office-note from the Examiner, Public Works Accounts, dated Madras, 13th April 1891, No. 2204/153.

The accompanying letter from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, No. 153 W., dated 2nd April 1891, with an indent (No. 21 of 24th March 1891), for English stores for transmission to the Secretary of State, is forwarded for necessary action.

2. I certify that funds to meet the estimated outlay in England in connection with this indent during the year 1891-92 will be provided by the Local Government to the extent of £395-14-3 in the estimate of the Public Works Department for that year.

ORDER—dated 20th April 1891, No. 1089 W., Public Works.

The indent will be forwarded to the Home Government for compliance.

(Here enter No. 1090 W., dated 20th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 20th.

Recd. *Encl.*

G.O., 20th April 1891, No. 1089 W.

APRIL.

Indent

Ordered that the — for stores required for the Public Works Workshops, Madras, be forwarded to the Home Government.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

LIEUT.-COLONEL A. C. SMITH, R.E.,
Ag. Joint Secretary to the Government of Madras,
Public Works Department,

To

THE DIRECTOR-GENERAL OF STORES,
INDIA OFFICE,
LONDON.

SIR,

I am directed to forward, for favor of early compliance, an indent, in duplicate, for stores required for the Public Works Workshops, Madras.

2. The necessary certificate by the Examiner of Public Works Accounts is embodied in the Proceedings * of this Government forwarded herewith.

* No. 1089 W., dated 20th April 1891.

(Here enter No. 1091 W., dated 20th April 1891.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

OOTACAMUND,
20th April 1891.

ENDORSEMENT—dated 20th April 1891, No. 1091 W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 20th.

Recd. *Encl.*

20th April 1891, Nos. 1090 W., 1091 W.

APRIL.

Indent

Forwarding copy of — for stores required for the Public Works Workshops, Madras.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 1st September 1890, No. 2378 G.

In reply to your letter No. 2124 W., dated the 6th ultimo, asking for an explanation of the proviso in this office No. 1312 G., dated the 21st May last, I am directed to state that the following proviso should be substituted for that stated in my previous letter, namely that charge allowance may be granted to an Executive Engineer placed in temporary charge of Tank Restoration parties in the Madras Presidency in addition to his own duties, provided that the total number of charge allowances *plus* the total number of Executive Engineers, permanent and temporary, on duty, do not exceed the sanctioned number of Executive Engineers calculated according to scale. The effect of this proviso will be to prevent the number of executive charges exceeding the scale of Executive Engineers allowed under the rules.

From G. H. D. WALKER, Esq., Under-Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Calcutta, 5th February 1891, No. 354 G.

In reply to your No. 86-W., dated 9th January 1891, inquiring whether the "total number of Executive Engineers, permanent and temporary, on duty" referred to in this office No. 2378 G., of the 1st September 1890, includes or excludes officers on privilege leave, I am directed to state that officers on privilege leave are counted as on duty, and, therefore, the charge allowances of men officiating for them are wholly outside the scale and do not count against it.

Office-note from the Examiner, Public Works Accounts, dated Madras, 8th April 1891, No. 2091.

I have had great difficulty in forming an opinion as to the effect of the ruling in Government of India letter No. 354 G. of 5th February 1891, because the ruling might apparently be interpreted in two ways. Having regard to the nature of the inquiry put to the Government of India (see margin)* the first branch of the present ruling † would seem to be a plain statement that the doubtful term *did* include officers on duty, but the second branch of the present ruling ‡ seems equally clearly to indicate an opposite intention.

* Whether the total number of Engineers on duty includes or excludes officers on privilege leave.

† Officers on privilege leave are counted as on duty.

‡ The charge allowance of men officiating for them (men on privilege leave) are wholly outside the scale and do not count against it.

2. However, after careful consideration, I am of opinion that the intention of the Government of India is as follows :—

Subject in all cases (as explained in article 123) to the restrictions imposed by article 120 of the Civil Service Regulations, in the following cases (and in no other)

charge allowance may be given to an Executive Engineer of a Tank Restoration party holding charge of an ordinary Public Works division in addition to his other duties, namely—

(1) When the number of Executive Engineers (as determined for the time being by code para. 35) *plus* any other sanctioned officiating charges is less than the total number (scale) of sanctioned executive charges, and

(2) When the officer for whom the charge allowance is claimed is either—

(*a*) in charge of the duties of an Executive Engineer, who is himself absent on privilege leave, or

(*b*) in charge of the duties of an Executive Engineer, who is officiating as Superintending Engineer in a vacancy consequent on the absence of an officer of Superintending Engineer or higher class on privilege leave, provided that in either case [(*a*) or (*b*)] no officiating promotion is made.

3. Taking this to be the intention and applying the rule to the case in question, Mr. Joyce was not entitled to any charge allowance, because the additional duties did not involve any change of station; but charge allowance is admissible in Mr. Wilson's case.

ORDER—dated 20th April 1891, No. 1092 W., Public Works.

Communicated to officers of the Public Works Department in continuation of G.O., No. 1534 W., dated 3rd June 1890.

2. The views expressed in the office-note from the Examiner above recorded are accepted. Mr. Joyce's claim to charge allowance for the period he held charge of the Madura division in addition to his own duties as Executive Engineer, Nos. I and II Parties, Tank Restoration Scheme, will be finally disallowed, but charge allowance will be passed to Mr. J. S. Wilson for the period he held charge of the Godávari central division at the end of 1889.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
To Superintending Engineers.
To the Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated *April, 20th.*

Recd. *Encl.*

G.O., 20th April 1891, No. 1092 W.

APRIL.

Charge Allowance

Letter from the Government of India stating that officers on privilege leave are counted as on duty and therefore the -- of men officiating for them are wholly outside the scale and do not count against it, communicated, with remarks, to the officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From Major D. McN. CAMPBELL, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepâk, 3rd April 1891, No. 155 W.

With reference to your memo. No. 1542 C., dated 18th March 1891, I have the honor to forward an indent on the Director-General of Stores in England for rails and wagons required for the Periyár project.

Office-note from the Examiner of Public Works Accounts, dated Madras, 13th April 1891, No. 2203/153.

The accompanying letter from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, No. 155 W., dated 3rd April 1891, with an indent (No. 22 of 26th March 1891) for English stores, for transmission to the Secretary of State, is forwarded for necessary action.

2. I certify that funds to meet the estimated outlay in England in connection with this indent during the year 1891-92 will be provided by the local Government to the extent of £ 514-16-0 in the estimate of the Public Works Department for that year.

ORDER—dated 20th April 1891, No. 1101 W., Public Works.

The indent will be forwarded to the Home Government for compliance.

(Here enter No. 1102 W., dated 20th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Superintendent of Works, No. I Periyár division.
" Chief Engineer for Irrigation.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 20th.

Recd. *Encl.*

G.O., 20th April 1891, No. 1101 W.

APRIL.

Indent

Ordered that the — for rails and wagons for the Periyár project works be forwarded to the Home Government.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

LIEUT.-COLONEL A. C. SMITH, R.E.,
Ag. Joint Secretary to the Government of Madras,
Public Works Department,

To

THE DIRECTOR-GENERAL OF STORES,
INDIA OFFICE,
LONDON.

SIR,

I am directed to forward, for favor of early compliance, an urgent indent, in duplicate, for rails and wagons required for the Periyár project works.

2. The necessary certificate by the Examiner of Public Works Accounts is embodied in the Proceedings * of this Government forwarded herewith.

* No. 1101 W., dated 20th April 1891.

(Here enter No. 1103 W., dated 20th April 1891.)

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

OOTACAMUND,
20th April 1891.

ENDORSEMENT—dated 20th April 1891, No. 1103 W., Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 20th.

Recd. *Encl.*

20th April 1891, Nos. 1102, 1103 W.

APRIL.

Indent

Forwarding copy of — for rails and wagons for the Periyár project works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Lieut.-Colonel W. P. TOMKINS, R.E., C.I.E., Chief Engineer, Madras Command Military Works, to the Secretary to the Government of Madras, Public Works Department, dated Ootacamund, 13th April 1891, No. 3089.

I have the honor to inform you that, with the Military buildings at Bangalore, there was transferred to this department last year a piece of ground and a building in Bangalore, known as the "Old Engineer's yard and office."

2. As this yard and building can be utilised for a sub-divisional office, I beg to inquire whether there is any objection to its being permanently made over to this department, and, if not, to request that this may be done.

ORDER—dated 20th April 1891, No. 1107 W., Public Works.

The building is made over to the Military Works Department subject to the condition that it should be retransferred if hereafter required for Provincial Public Works purposes.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer, Military Works Command.
" Consulting Architect to Government.
" Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Military Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 20th.

Recd. *Encl.*

G.O., 20th April 1891, No. 1107 W.

APRIL

Engineer's yard and office at Bangalore

The building, known as the —, made over to the Military Works Department on certain conditions.

GOVERNMENT OF MADRAS.

PUBLIC WORKS' DEPARTMENT.

General.
Account.

READ—the following paper:—

Resolution of the Government of India in the Public Works Department (Account —Civil Works), dated Calcutta, 18th March 1891, No. 16 B.O./A.—C.W.

Read—

Revised estimate for 1890-91 and budget estimate for 1891-92, Civil Works (Provincial and Incorporated Local).

Read—

* * * * *

Proceedings of the Government of Madras, Nos. 3398 and 3399 W., dated 20th Dec. 1890.
" " " " " 372 and 373 W., " 10th Feb. 1891.
Telegrams, dated 5th and 6th March 1891, from the Government of Madras.

* * * * *

Resolution.—The revised and budget estimates of revenue and expenditure are accepted by the Government of India for the amounts shown in the accompanying statement.

2. The Government of India invites attention to the following remarks regarding the provision for establishment in the estimates of the ensuing year:—

Central Provinces and Burma.—Provision has been made for the full number of Engineers and no reduction made on account of absentees.

Punjab.—The provision for establishment in the Provincial Civil Works estimate represents 31 per cent. on the estimated outlay on works and repairs; this percentage appears undesirably high. The provision for temporary establishment also appears excessive.

3. The columns in the abstracts of revenue and expenditure in the several budget estimates should, in the final issue and in future budget estimates, be arranged in the order shown in Public Works Department form No. 126 (Part III of Form Book).

4. The final issues of the Provincial and Incorporated Local Public Works budget estimates should be prepared for the amounts accepted and despatched,* so as to reach the Government of India not later than the 1st May 1891.

* Ten copies to Simla and 25 to Calcutta.

Order.—Ordered that the foregoing be communicated to the Local Governments and Administrations noted in the margin for information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Agent to the Governor-General, Rajputana.

Ordered, also, that copies be forwarded to the Finance Department and to the Accountant-General, Public Works Department, for information.

(Signed) A. G. BEGBIE, Lieut.-Colonel, R.E.,
Depy. Secy. to the Government of India.

PROVINCIAL. LOCAL.

ENCLOSURE.

XXXII. *Revenue.*

Civil Works.

Provinces.	PROVINCIAL SERVICES.												INCORPORATED LOCAL FUNDS.											
	ACCOUNTS, 1889-90.			BUDGET ESTIMATE, 1890-91.			REVISED ESTIMATE, 1890-91.			BUDGET ESTIMATE, 1891-92.			ACCOUNTS, 1889-90.			BUDGET ESTIMATE, 1890-91.			REVISED ESTIMATE, 1890-91.			BUDGET ESTIMATE, 1891-92.		
	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Madras ..	1,02,633	7,979	1,10,612	1,00,000	15,000	1,15,000	95,000	22,000	1,17,000	1,00,000	7,000	1,07,000	8,917	9,75,432	9,84,349	8,000	9,25,000	9,33,000	3,000	9,70,000	9,73,000	3,000	9,40,000	9,43,000

45. *Expenditure.*

Civil Works.

Madras ..	22,70,211	1,28,589	23,98,800	28,50,000	3,89,000	32,39,000	26,50,000	1,50,000	28,00,000	35,23,000	8,09,000	43,32,000	87,134	40,03,743	40,90,877	1,13,000	38,90,000	40,03,000	87,000	39,98,000	40,85,000	85,000	40,16,000	41,01,000

Order—dated 23rd April 1891, No. 1126 W., Public Works.

The revised and budget estimates of revenue under Incorporated Local funds for 1890-91 and 1891-92, respectively, as shown in the statement annexed to the Resolution of the Government of India above recorded, have been adopted in the final issue of the budget estimate for 1891-92.

2. The revised estimate of charges for 1890-91, as shown in the preliminary issue of the budget, amounted to Rs. 79,239, but the modifications of grants subsequently sanctioned increased the estimate to Rs. 84,881. As the Government of India has passed the estimate for Rs. 87,000, that sum has been adopted in the final budget, and the difference of Rs. 2,119 will be treated as the allotment for the bridge over Ryves' canal at Bezváda, for which the Financial Department was requested to place a sum of Rs. 4,980 at the disposal of the Public Works Department (*vide* G.O., No. 526 W., dated 23rd February 1891).

3. The budget estimate of charges for 1891-92 shown in the preliminary budget amounted to Rs. 88,685, but the modifications of grants referred to in G.O., No. 537 W., dated 24th February 1891, reduced the estimate to Rs. 84,755. The Government of India having passed the estimate for Rs. 85,000 in round figures, that sum has been provided in the final budget and the necessary increase has been made to the grant for the steam launch for the Rajahmundry ferry.

4. The revised estimate of charges for 1890-91 under Excluded Local funds shown in the preliminary budget amounted to Rs. 16,459, but the modifications of grants subsequently sanctioned reduced the estimate to Rs. 15,510.

5. The budget estimate of charges for 1891-92 under Excluded Local funds, as shown in the preliminary budget, amounted to Rs. 4,570, but the additional grants sanctioned in the marginally-noted Proceedings increased the estimate to Rs. 22,780.

G.O., No. 267 W., dated 28th January 1891.
„ „ 1119 W. „ 22nd April „

6. Plans and estimates for the unsanctioned works, for which funds have been provided in the budget, should be submitted with the least possible delay.

7. With these remarks the final issue of the Incorporated and Excluded Local fund budget estimates for 1891-92 will be printed and circulated to the officers concerned for information and guidance and 35 copies, as shown in the margin, will be forwarded to the Government of India.

To Simla	10
„ Calcutta	25

(Here enter No. 1127 W., dated 23rd April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Examiner, Public Works Accounts.
„ Accountant-General.
„ Financial Department.
„ Revenue „
„ Local and Municipal Department.
„ Marine Department.

ENDORSEMENT—dated 23rd April 1891, No. 1127 W., Public Works.

Forwarded.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 23rd.

Encl.

Recd.

G.O., 23rd April 1891, No. 1126 W.

APRIL.

Incorporated and Excluded Local Fund Budget Estimates for 1891-92

Circulating the — to officers concerned.

FINAL ISSUE.

INCORPORATED LOCAL FUNDS. **MADRAS.**
PUBLIC WORKS BUDGET ESTIMATE.

PUBLIC WORKS DEPARTMENT.

INCORPORATED LOCAL FUNDS BUDGET ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS,

FOR THE YEAR

1891-92.

MADRAS,
23rd April 1891.

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secretary to Govt., P.W.D.

INCORPORATED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

MADRAS.

GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF INCORPORATED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1891-92.

Budget Estimate of the Revenue that will be realised by, and on account of Incorporated Local Funds of, the Public Works Department for the year from 1st April 1891 *to March* 1892.

—	ACTUALS, 1889-90.	BUDGET ESTIMATE, 1890-91.	REVISED ESTIMATE, 1890-91.	BUDGET ESTIMATE, 1891-92.
	Rs.	Rs.	Rs.	Rs.
Realised in the Public Works Department.	8,917	8,000	3,000	3,000
Total ...	8,917	8,000	3,000	3,000

INCORPORATED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXPENDITURE FROM INCORPORATED LOCAL FUNDS ON PUBLIC WORKS IN THE MADRAS PRESIDENCY FOR THE YEAR 1891-92.

Abstract of the Estimated Charges from Incorporated Local Funds on Public Works in the Madras Presidency from 1st April 1891 to March 1892.

—	Actuals, 1889-90.	Budget Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
ORIGINAL WORKS.				
Civil Buildings	...	...	...	...
Communications	52,823	42,112	31,299	16,280
Miscellaneous Public Improvements	1,825	...	...	...
Total ...	54,648	42,112	31,299	16,280
REPAIRS.				
Civil Buildings...	...	...	...	...
Communications	24,330	21,695	28,653	18,810
Miscellaneous Public Improvements	...	...	70	...
Total ...	24,330	21,695	28,723	18,810
TOTAL, WORKS AND REPAIRS.				
Civil Buildings	...	...	...	...
Communications	77,153	63,807	59,952	35,090
Miscellaneous Public Improvements	1,825	...	70	...
Total ...	78,978	63,807	60,022	35,090
Establishment	6,051	23,225	18,159	9,183
Tools and Plant	2,105	25,968	8,819	40,727
Grand Total ...	87,134	1,13,000	87,000	85,000

GOVERNMENT OF MADRAS.

ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

—	Funds to which Grants for 1891-92 are chargeable.		
	Local Funds under Act V of 1884.	Canal and Ferry Fund.	Total, 1891-92.
	Rs.	Rs.	Rs.
ORIGINAL WORKS.			
Civil Buildings	...	...	...
Communications	6,280	10,000	16,280
Miscellaneous Public Improvements	...	...	...
Total ...	6,280	10,000	16,280
REPAIRS.			
Civil Buildings	...	...	...
Communications	16,910	1,900	18,810
Miscellaneous Public Improvements	...	...	...
Total ...	16,910	1,900	18,810
Total, Works and Repairs ...	23,190	11,900	35,090
Establishment	6,446	2,737	9,183
Tools and Plant	54	40,673	40,727
Grand Total ...	29,690	55,310	85,000

GOVERNMENT

LIST OF ORIGINAL WORKS PROPOSED TO BE CARRIED OUT

Funds.	Executive Division.	Locality.	Item No.	Name of Work.	Amount of Estimate.
					Rs.
				Communications.	
				Original Works.	
Canal and Ferry Fund.	Godávari District.	...	1	Construction of bridges across Irrigation channels and drains.	...
Local Funds under Act V of 1884.	Godávari, Eastern.	...	2	Widening and gravelling the Godávari left embankment in the first 4 miles below the anicut for adoption as a road.	8,480
Do. ...	Kistna, Eastern.	Bezváda ...	3	Construction of a road over the Kistna anicut.	...
				Total, Communications, Original Works.	

OF MADRAS.

BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	10,000	...	1	Estimates are awaited.
			10,000		
...	...	5,000	...	2	G.O., No. 3308 W., dated 13th December 1890.
...	...	1,280	...	3	
			6,280		
...	...	...	16,280		

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92.

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	
			Canal and Ferry Fund.			
			Communications.			
			Repairs.			
Godávari, Eastern.	......	1	Maintenance of the Kovur-Munjair junction canal.	1,800		
Do. ...	Dowlaishweram	2	Clearing silt in the old loading channel.	100	1,900	
			Local Funds under Act V of 1884.			
			Communications.			
			Repairs.			
Rushikulya ...	......	3	Maintenance of 4 miles of Aska-Suradá road.	400		
Godávari, Eastern.	......	4	One-sixth of the cost of the maintenance of the Kovur-Munjair junction canal.	600		
Kistna, Western.	Nizampatam.	5	Maintenance of canal left bank between Nandivelugu and Kuchipudi.	350		
Do. ...	Kistna right bank.	6	Maintenance of Kistna right bank between Epur and Mortota.	975		
Nellore ...	Nellore ...	7	Gravelling the Pennér anicut roadway.	600		
South Arcot ...	Chidambaram taluk.	8	Repairing a portion of road from Shatiatope to Omampulayoor passing over the Veeranam tank, 9 miles, at Rs. 100 per mile.	900		
Do. ...	Do. ...	9	Repairing road on the Coleroon bank, 20 miles, at Rs. 50 per mile.	1,000		
Do. ...	Do. ...	10	Repairing road on Vadavar bank.	500		
Do. ...	Do. ...	11	Repairing road on the right bank of Khan Sahib's canal.	300		
Do. ...	Do. ...	12	Maintenance of Goverapet road.	90		
Trichinopoly ...	Trichinopoly and Udayárpálaiyam.	13	Road No. 20 from Sirudayur *viá* Sankarayur to lower anicut, 20 miles, at Rs. 50 per mile.	1,000		
Tanjore ...	Tanjore ...	14	Road along the right bank of the Vennár from road No. 39 eastwards, 3 miles, at Rs. 50 per mile.	150		
Do. ...	Do. ...	15	Road No. 90 along the north bank of the Vennár, west of road No. 4 to Udaramangalam village, 3½ miles, at Rs. 60 per mile.	210		
Do. ...	Do. ...	16	Road from road No. 39 to Haridwaramangalam, 6 miles, at Rs. 50 per mile.	300		
			Carried over ...	7,375	1,900	

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92—*cont.*

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	
			Brought forward ...	7,375	1,900	
			Local Funds under Act V of 1884—*cont.*			
			Communications—cont.			
			Repairs—*cont.*			
Tanjore ...	Tanjore ...	17	Road No. 6 from Railway to road No. 39 along the right bank of Vettár, 2¼ miles, at Rs. 90 per mile.	225		
Do. ...	Do. ...	18	Road from Thirukutoopally to Palamaneri along the Cauvery right bank.	40		
Do. ...	Do. ...	19	Road from Cauvery-Vennár Regulator to Pillay voikal, sluice No. 2, 1½ miles, at Rs. 35 per mile.	50		
Do. ...	Kumbakónam.	20	Maintenance of 2 miles of road along the left bank of the Kodamurti river.	50		
Do. ...	Do. ...	21	Road No. 12 from Auduthorai to Tranquebar, 3½ miles, at Rs. 50 per mile.	175		
Do. ...	Do. ...	22	Road No. 47 along the right bank of Thirumalarajanar from road No. 14 eastwards.	120		
Do. ...	Do. ...	23	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 1 to 7 miles inclusive, at Rs. 50 per mile.	350		
Do. ...	Do. ...	24	Road No. 79 along the south bank of Arasillár, 3¼ miles, at Rs. 40 per mile.	130		
Do. ...	Máyavaram ...	25	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 8th to 17th mile, at Rs. 50 per mile.	500		
Do. ...	Do. ...	26	Road No. 12 along Veerasholam right bank from Auduthorai to Tranquebar, 23 miles, at Rs. 75 per mile.	1,725		
Do. ...	Shiyáli ...	27	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 18th to 27th mile, at Rs. 50 per mile.	500		
Do. ...	Do. ...	28	Road No. 70 along the Coleroon south bank from lower anicut to Anaikára Chattram, 28th to 31st mile.	200		
Do. ...	Nannilam ...	29	Road No. 79 along Arasillár south bank, 12½ miles, at Rs. 50 per mile.	625		
Do. ...	Do. ...	30	Road No. 46 from Nagore to Kangalanjery along the Vettár south bank to connect road No. 16 with No. 35, 4½ miles, at Rs. 60 per mile.	270		
			Carried over ...	12,335	1,900	

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1891-92—*cont.*

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	
			Brought forward ...	12,335	1,900	
			Local Funds under Act V of 1884—*cont.*			
			Communications—cont.			
			Repairs—*cont.*			
Negapatam ...	Tiruturaipúndi.	31	Road No. 51 from Maniyar along the south bank of the Harichandranadi, 13½ miles, at Rs. 100 per mile.	1,340		
Do. ...	Do. ...	32	Road No. 63 from No. 26 near Tiruturaipúndi or from Ponáni to Kullimodoo, 11¾ miles.	1,270		
Do. ...	Mannárgudi ...	33	Road No 51 from road No. 18 to Mulliyar head and joining road No. 35 and thence to Thalianayar, 9 miles, at Rs. 75 per mile.	675		
Do. ...	Do. ...	34	Road No. 90 along the north bank of the Vennár from road No. 15 and joining No. 38, 5¼ miles, at Rs. 60 per mile.	315		
Do. ...	Do. ...	35	Road along the left bank of the Korayar on road No. 23 to Mulliyar head, 4 miles, at Rs. 40 per mile.	190		
Do. ...	Negapatam ...	36	Road No. 46 from Nagore to Kangalanjery along the Vettár south bank.	210		
			Special Repairs.			
Do. ...	Tiruturaipúndi.	37	Repairing tunnels on road No. 63.	500		
Tanjore ...	Do. ...	38	Repairing the left bank of Vettár from 49-3 to 52-4 used as road from Aiyampet to road No. 39.	75		
			Total, Local Funds under Act V of 1884, Communications, Repairs.	...	16,910	
			Total, Communications, Repairs.	...	18,810	
			Canal and Ferry Fund.			
			Tools and Plant (Special).			
Godávari, Eastern.	......	39	Purchase of a steam launch for the Rajahmundry ferry.	20,245		
Godávari, Western.	......	40	Purchase of a steam launch for the Narsápur ferry.	20,000		
Godávari, Eastern.	......	41	Repair of ferry boats on the Kovur-Munjair junction canal.	250		
			Total ...	...	40,495	

FINAL ISSUE.

EXCLUDED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE. **MADRAS.**

PUBLIC WORKS DEPARTMENT.

EXCLUDED LOCAL FUNDS BUDGET ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS,

FOR THE YEAR

1891-92.

Prepared with reference to the Government of India Resolution, No. 473 A.G., dated 17th November 1880.

MADRAS,
23rd April 1891.

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secretary to Govt., P.W.D.

EXCLUDED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

MADRAS.

GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXCLUDED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1891-92.

Budget Estimate of Revenue that will be realised by, and on account of Excluded Local Funds of, the Public Works Department in the Madras Presidency for the year from 1st April 1891 *to* 31*st March* 1892.

—	ACTUALS, 1889-90.	BUDGET ESTIMATE, 1890-91.	REVISED ESTIMATE, 1890-91.	BUDGET ESTIMATE, 1891-92.
	Rs.	Rs.	Rs.	Rs.
Realised in the Public Works Department.	119	...	700	700
Total ...	119	...	700	700

GOVERNMENT OF MADRAS.

Budget Estimate of Expenditure from Excluded Local Funds on Public Works in the Madras Presidency from 1st April 1891 to 31st March 1892.

Abstract of Estimated Charges from Local Funds on Public Works in the Madras Presidency from 1st April 1891 *to* 31*st March* 1892.

—	Actuals, 1889-90.	Budget Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
ORIGINAL WORKS.				
Civil Buildings	...	...	...	...
Communications	...	...	...	...
Miscellaneous Public Improvements ...	22,320	...	7,667	8,930
Total ...	22,320	...	7,667	8,930
REPAIRS.				
Civil Buildings	1,002	...	589	1,550
Communications	...	...	...	...
Miscellaneous Public Improvements	5,633	...	4,354	7,816
Total ...	6,635	...	4,943	9,366
TOTAL, WORKS AND REPAIRS.				
Civil Buildings	1,002	...	589	1,550
Communications	...	...	...	...
Miscellaneous Public Improvements	27,953	...	12,021	16,746
Total ...	28,955	...	12,610	18,296
Establishment	6,658	...	2,720	4,209
Tools and Plant	433	...	180	275
Grand Total ...	36,046	...	15,510	22,780

GOVERNMENT OF MADRAS.

ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

—	Funds to which the Grants for 1891-92 are chargeable.		
	University Fee Fund.	Port Fund.	Totals, 1891-92.
	Rs.	Rs.	Rs.
ORIGINAL WORKS.			
Civil Buildings	...	...	...
Communications	...	...	...
Miscellaneous Public Improvements	...	8,930	8,930
Total ...	...	8,930	8,930
REPAIRS.			
Civil Buildings	1,350	200	1,550
Communications	...	...	...
Miscellaneous Public Improvements	...	7,816	7,816
Total ...	1,350	8,016	9,366
Total, Works and Repairs ...	1,350	16,946	18,296
Establishment	310	3,899	4,209
Tools and Plant	20	255	275
Grand Total ...	1,680	21,100	22,780

GOVERNMENT OF MADRAS.

List of Minor Works proposed to be carried out by the Public Works Department during 1891-92.

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	
			PORT FUND.			
			Minor Works.			
			Miscellaneous Public Improvements.			
Ganjam ...	Calingapatam.	1	Fixing a lightning conductor for the Calingapatam light-house.	500		
Kistna, Eastern.	Point Divi ...	2	Improvements to existing buildings at Point Divi light-house.	480		
West Coast ...	Cochin ...	3	Construction of groynes to prevent erosion of sea at Vypeen.	2,000		
Do. ...	Do. ...	4	Protecting the foreshore at Cochin.	2,170		
Tinnevelly ...	Manapad ...	5	Construction of a cook-house for Superintendent's quarters Manapad light-house.	950		
					6,100	
			Reserve with the Government ...	...	2,830	
			Total, Minor Works ...	...	8,930	

GOVERNMENT OF MADRAS.

List of Repairs proposed to be carried out by the Public Works Department during 1891-92.

Executive Division.	Locality.	Item No.	Name of Work.	Grant, 1891-92.	Total.	Remarks.
				Rs.	Rs.	Rs.
			PORT FUND.			
			Civil Buildings.			
Godávari Eastern.	Cocanada ...	...	Repairs to the Marine Villa at Cocanada.	200	200	
			Miscellaneous Public Improvements.			
Ganjam ...	...	...	Repairs to light-keeper's shed, Gopálpur light-house.	60		
Vizagapatam ...	...	...	Repairs to Marine buildings ...	550		
Do. ...	...	...	Do to Santapilly light-house	50		
Kistna, Eastern.	...	...	Repairs to Point Divi light-house.	320		
Do. ...	...	...	Repairs to quay wall at Masulipatam.	290		
South Arcot ...	Porto Novo ...	...	Repairs to Jetty, strengthening piles, removing timber, &c.	500		
Do. ...	Do. ...	...	Repair and extension of signaller's shed.	200		
Do. ...	Do. ...	...	Repairs to wharf	3,500		
West Coast ...	Cannanore ...	...	Do. to flagstaff and light-house.	26		
Do. ...	Do. ...	...	White-washing light-keeper's bungalow and turning tiles.	36		
Do. ...	Do. ...	...	Repairs to masonry pier boat jetty.	684		
Do. ...	Do. ...	...	Annual maintenance of quay and harbour.	200		
South Canara...	...	...	Repairs to Mangalore light-house	100		
Negapatam ...	Negapatam ...	...	Repairing the Jetty wall at Negapatam.	300		
Architect ...	Madras ...	...	Repairs to the Presidency Port office.	1,000		
					7,816	
			Total, Port Fund ...		8,016	
			UNIVERSITY FEE FUND.			
			Repairs.			
Consulting Architect.	Madras ...	...	Civil Buildings, Repairs (Repairs to Senate House).	1,350	1,350	
			Total, University Fee Fund.			
			Total, Repairs ...		9,366	

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From the Superintending Engineer, II Circle, to the Collector of Kistna, dated 22nd March 1891, No. 3225 K.S.

In the Provincial budget for 1891-92, Public Works Department, preliminary issue, funds have been provided for the works noted below and estimates for all of them have been forwarded to you on the dates entered against each. I have, therefore, the honour to request you will be good enough to arrange for their early submission to Government in the Public Works Department for sanction if you have not done so already, as otherwise it will be difficult to spend allotments if work cannot be proceeded with this working season.

—	Item No.	Name of work.	Amount provided for 1891-92.	Number and date of letter with which estimate was forwarded to Collector.
			RS.	
Kistna, Eastern.	7	Head Assistant Collector's office at Bezváda ..	10,000	1338 K.S., 25th Aug. 1890.
	35	Do. do. residence do. ..	10,000	1849 ,, 25th Oct. ,,
	8	Taluk cutcherry at Masulipatam	10,000	2150 ,, 27th Nov. ,,
	9	Record-room in Collector's office at Masulipatam.	10,000	705 ,, 13th June ,,
	10	Deputy Tahsildar's office at Avanigedda ..	11,690	1385 ,, 28th Aug. ,,
Kistna, Western.	12	Taluk cutcherry at Guruzala	10,000	2332 ,, 17th Dec. ,,

No. 3226 K.S.

Copy forwarded to the Chief Engineer, Public Works Department, with a request that early sanction may be accorded to any of the estimates named above that may have been received in the Secretariat office from the Revenue Department.

(Signed) J. HANNAN,
Superintending Engineer, II Circle.

22nd March 1891.

Order—dated 23rd April 1891, No. 1129 W., Public Works.

Recorded.

2. The following statement gives the latest information available in this department regarding the budget works mentioned in the Superintending Engineer's letter :—

Budget item No. 7—Head Assistant Collector's office at Bezváda.—The plan and estimate have not yet been received from the Revenue Department. They must be revised in accordance with a revised type design which has been received from the Consulting Architect and is now under consideration.

Budget item No. 35—*Residence for the Head Assistant Collector, Bezvâda.*—Plan and estimate have been received from the Revenue Department and returned to that department for reconsideration (Public Works memo. No. 1545 C., dated 18th March 1891).

Budget item No. 8—*Taluk cutcherry at Masulipatam.*—Plan and estimate have been received from the Revenue Department and returned to the Superintending Engineer for revision after issue of the revised type design now under preparation; collection of materials to be proceeded with (G.O., No. 1048 W., dated 15th April 1891).

Budget item No. 9—*Record-room for the Collector's office, Masulipatam.*—The plan and estimate have not yet been received from the Revenue Department.

Budget item No. 10—*Deputy Tahsildar's office at Avanigedda.*—Plan and estimate held in abeyance pending the issue of the revised type design (G.O., No. 2592 W., dated 7th November 1890). The collection of materials may be proceeded with from the grant provided for the work in the Provincial budget of 1891-92.

Budget item No. 12—*Taluk cutcherry at Guruzala.*—Plan and estimate returned to the Superintending Engineer for revision after receipt of the revised type design; collection of materials to be proceeded with (G.O., No. 747 W., dated 14th March 1891).

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 23rd.

Recd. *Encl.*

G.O., 23rd April 1891, No. 1129 W.

APRIL.

Public Buildings in the Kistna District

Letter from the Superintending Engineer, II Circle, reporting that estimates for certain — were sent to the Collector and requesting that early sanction may be accorded to the estimates received in the Public Works Department, recorded with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Captain H. A. STREET, H. M.'s I.M., Presidency Port officer, to the Chief Secretary to Government, dated Madras, 1st October 1890, No. 179/473 G.

With reference to G.O., No. 2453 W., Public Works, dated 13th September 1890, I have the honour to acquaint you, for the information of the Government, that, in June last, Mr. Winckler, the Port officer at Cochin, brought to my notice that considerable erosion of the coast line in the vicinity of Cochin had taken place and that I immediately sent a copy of this letter to the Executive Engineer, West Coast division, for any remarks he might have to offer thereon. No reply has yet been received, but I understand that an officer of the Public Works Department has been deputed to inspect the coast line.

2. I send for perusal Mr. Winckler's letter, which I beg may be returned at your convenience.

ENCLOSURE.

From Captain J. E. WINCKLER, Port officer, Cochin, to the Presidency Port officer, dated 19th June 1890, No. 4/4.

Since my last monthly report I have the honour to state that, owing to the high monsoon winds and seas, the erosion alluded to therein has continued to a very serious extent of the whole sea face from below Mallipuram right down past the southern boundary of the port. In the Rajah's territory scores of huts and cocoanut trees have been washed away, and I would suggest that, if the money sanctioned for the P. groyne is available, the boulders be obtained now, as we will be able to connect the new with the old work which is now quite bare by the recent severe erosion.

2. The western sand bank of the lagoon has also had a good slice washed away. I apprehend no immediate danger to the dam, but would not like to enforce my opinion in the face of that of experts in the Public Works Department, who, if they would now visit the place in its present phase, will be able to arrive at the necessary requirements.

Transferred to the Public Works Department. It is requested that the original enclosure may be returned to the Presidency Port officer when done with.

10th October 1890. (Signed) J. F. PRICE,
Chief Secretary.

No. 4167 C.

Referred to the Superintending Engineer, IV Circle, for early report, with advertence to G.O., No. 2453 W., dated 13th September 1890.

15th October 1890. (Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

From H. B. GRIGG, Esq., C.I.E., Acting Resident in Travancore and Cochin, to the Chief Secretary to Government, dated Cochin, 15th October 1890, No. 160.

In forwarding, herewith, copies of a letter No. 2533 of the 14th instant from the Dewan of Cochin and its enclosure, I have the honour, with reference to G.O., No. 136 S.R., of the 24th September 1890, Political Department, to request that the Superintending Engineer, IV Circle, may be directed to inform Mr. Hudson direct when he intends visiting Cochin.

ENCLOSURES.

From C. THIRUVENKATA CHARIAR, Esq., Dewan of Cochin, to the Resident in Travancore and Cochin, dated Ernakulam, 14th October 1890, No. 2533.

I have the honour to enclose herein copy of letter, No. 1843 of the 11th instant, from the Chief Engineer to this Government and to request you will be good enough to ask the Superintending Engineer, IV Circle, to inform Mr. Hudson direct when he intends visiting Cochin, so that he (Mr. Hudson) may come over and point out the parts of the coast where the erosions occur, as he had personally seen them during the south-west monsoon.

From H. W. HUDSON, Esq., Chief Engineer, to the Dewan of Cochin, dated Trichoor, 11th October 1890, No. 1843.

In acknowledging the receipt of your No. 2497 of the 9th instant, forwarding copies of papers in reference to the erosions along the coast north and south of Cochin, I have the honour to suggest that I should be informed when the Superintending Engineer intends visiting Cochin in order that I may come down and point out where the erosions take place, as the coast line is now very different to what it is during the south-west monsoon.

2. I intend leaving for Nemary, the Nelliampatty hills and Chittoor next week, but will defer my visit if the Superintending Engineer will be at Cochin shortly.

Transferred to the Public Works Department.

20th October 1890.

(Signed) J. F. PRICE,
Chief Secretary.

No. 4296 C.

Forwarded, with reference to G.O., No. 2453 W., dated 13th September 1890, to the Superintending Engineer, IV Circle, who will communicate direct to the Chief Engineer, Cochin, the date of his intended inspection of the coast.

21st October 1890.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

From Lieut.-Colonel R. R. E. DRAKE-BROCKMAN, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 6th November 1890, No. 354/E.W.

In accordance with G.O., dated 13th September 1890, No. 2453 W., I have the honour to report that I proceeded from Calicut to Cochin on the 23rd ultimo to inspect the erosion of the Cochin and Vypeen foreshores brought to notice by the Port officer and the Chief Engineer, Cochin Government.

2. I was accompanied in my inspection by Captain Winckler, the Port officer, and Mr. Joyce, the Executive Engineer, West Coast division. The latter officer had previously in the month of June last, whilst the erosion was at its worst phase, inspected the spot with the Port officer upon the requisition of the latter, alluded to in

the Presidency Port officer's letter, dated 1st October last, which was referred to me by G.O., No. 4167, dated 15th October. Both Mr. Joyce and the Port officer arrived at the conclusion that no remedial measures could then be adopted, but that what was evidently wanted was the rehabilitation of P. groyne, the northernmost and last of the series of groynes. Since then, and at the time of my inspection, the order of things had changed very much for the better, and I found from soundings taken along P. groyne, which is now very nearly submerged at low tide, that, in order to protect the coast at this point and protect the Cruz Milagre embankment, all that is necessary is the reconstruction of this groyne. The groynes immediately south of this groyne are now far within the high spring tide contour, and it is proposed to utilise the materials in groynes O. and N. for bringing up P. groyne to full section and extending its root inshore well above H.S.T. limit. The remainder of the groynes are all in good order and require no alteration.

3. In the Vypeen limits, the land belongs to one Palli Taççan, a man of considerable wealth and influence in the Cochin State, and, as accretion forms seaward, I have learnt that he takes advantage of the same to extend his riparian holding and rent the land to squatters for planting up cocoanuts. These of course offer no obstruction to the encroachment of the sea, and, when the latter becomes more than usually aggressive and sweeps away the plantation, naturally a protest and cry for protection arises from the landlord, to which the Chief Engineer of the Cochin State has to lend an ear. If, however, instead of seizing on this foreshore on each occasion it is formed and utilising it for a cocoanut plantation, Palli Taççan were compelled to plant up screw pine, rabbit wort and other protective vegetation, the encroachment of the sea would be met half way and no great loss or danger accrue. The huts referred to in Mr. Hudson's letter are merely temporary cadjan and bamboo erections never intended to have a permanent existence.

4. I enclose a tracing of the coast line showing its condition in previous years. The present condition of things corresponds with that of 1889. The margin is shown at H.T.L.

5. I have ordered the Executive Engineer to take steps for reconstructing P. groyne, which is all that is at present required.

6. My inspection took place on the 24th and 25th October. I only received the G.O., No. 4296, dated 21st October, at Cochin on the latter date after I had made arrangements to leave that place the following morning. I could not, therefore, meet Mr. Hudson, but as both Mr. Joyce and Captain Winckler had seen the erosion at its worst, their evidence, I think, may be considered sufficient to have enabled me to come to a conclusion as to the remedial measures necessary.

ORDER—dated 24th April 1891, No. 1138 W., Public Works.

The measures adopted by the Superintending Engineer, IV Circle, are approved. No further steps seem necessary.

2. Paragraph 3 of the Superintending Engineer's letter will be considered in the Political Department.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
„ Marine Department, with plan.
„ Political Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1891, No. 1138 W.

APRIL.

Erosion

The measures adopted by the Superintending Engineer, IV Circle, for the protection of the coast near Cochin from — approved with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From the Executive Engineer in charge Kistna Eastern division, to the Superintending Engineer, II Circle, dated 2nd March 1891, No. 5794.

I have the honour to observe that in every bill made by the Dowlaishweram workshops for work done for this division a charge of Rs. 25 per cent. was made. The Executive Engineer, Godávari Eastern division, was requested to quote the authority under which the percentage was charged.

2. A copy of the Executive Engineer's reply in No. 1233 L. of 16th ultimo is herewith forwarded, from which it will be observed that the charge was made under the authority of G.O., No. 371 I., of 25th May 1886, but the more recent G.O., No. 2838 W., of 27th October 1890, lays down that it will be a general rule "for all sub-divisional workshops that no debit shall be raised on account of percentages for works executed for the Public Works Department, &c.," and this Government Order is held to have superseded all the previous orders on the subject.

3. According to the Executive Engineer's letter referred to, the recent Government Order quoted above comes into force only from 1st April next. I fail, however, to see any wording to that effect in the Government Order.

4. In these circumstances, I have the honour to request that you will be so good as to obtain clear orders of Government as to whether the view taken by the Executive Engineer, Godávari Eastern division, was correct both as regards the G.O., No. 371 I., of 25th May 1886, as still being in force, and as regards the latest order (G.O., No. 2838 W., of 27th October 1890) as coming into operation only from 1st April next.

ENCLOSURE.

From the Executive Engineer, Godávari Eastern division, to the Executive Engineer, Kistna Eastern division, dated 16th February 1891, No. 1233 L.

With reference to your No. 5400 of 9th and 11th February 1891, I have the honour to point out that Government have authorized in G.O., No. 1931 W., of 17th July 1890, that the system of accounts introduced for Dowlaishweram workshops in G.O., No. 371 I., of 25th May 1886, should continue until the close of the current official year.

2. The workshops will be transferred to Provincial from 1st April 1891 when G.O. No. 2838 W., of 27th October 1890, will come into force and centage will cease to be charged for works executed for Public Works Department, but unconnected with this Delta system.

3. Meanwhile, I regret that I cannot but charge centage on the works unconnected with this delta.

No. 3183 K.S.

Copy forwarded to the Chief Engineer, Public Works Department, with a request to be informed whether the ruling contained in G.O., No. 2838 W., of 27th October 1890, is to be considered to come into force from 1st April 1891.

2. The two G.Os., No. 371 I., dated 25th May 1886, and No. 1931 W., dated 17th July 1890, referred to therein, have not been received in this office.

(Signed) J. HANNAN,
Superintending Engineer, II Circle.

18th March 1891.

Office-note from the Examiner, Public Works Accounts, dated Madras, 16th April 1891, No. 2280.

The centage charges should have ceased for works carried out for the Public Works Department from date of G.O., No. 2838 W., dated 27th October 1890. The ruling in G.O., No. 1931 W., of 17th July 1890, apparently only refers to the continuance of the system on which the Dowlaishweram accounts were kept and does not imply the continuance of centage charges for works carried out for the Madras Public Works Department.

ORDER—dated 24th April 1891, No. 1139 W., Public Works.

The Government agrees with the Examiner, Public Works Accounts, whose note will be communicated to the Superintending Engineers, I and II Circles, for information and guidance.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " " II "
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1891, No. 1139 W.

APRIL.

Sub-divisional Workshops

Agreeing with the Examiner, Public Works Accounts, that the centage charges for works executed for the Public Works Department in — should have ceased from date of G.O., No. 2838 W., dated 27th October 1890.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 9th April 1891, No. 278, Public.

Read—the following letter from the Surgeon-General with the Government of Madras, dated 31st March 1891, No. 264 :—

I have the honour to forward the accompanying plans and estimates, amounting to Rs. 16,328, for constructing wards, &c., at the Ophthalmic Hospital for caste patients, and to request that they may be sanctioned and provision of funds made with a view to the work being commenced at an early date.

Order—dated 9th April 1891, No. 278, Public.

Approved and transferred to the Public Works Department for early execution.

(True Extract.)

(Signed) N. S. BRODIE,
Ag. Under-Secretary.

ORDER—dated 24th April 1891, No. 1140 W., Public Works.

The estimate, amounting to Rs. 16,328, for constructing wards for caste patients at the Ophthalmic Hospital, Madras, is sanctioned for early execution.

2. The Consulting Architect to Government will report the amount which can be spent on the work during the current official year.

3. This sanction has been registered as Provincial No. 7 W. of 1891-92 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with five enclosures.
„ Examiner, Public Works Accounts.
„ Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1891, No. 1140 W.

APRIL.

Ophthalmic Hospital, Madras

Estimate, amounting to Rs. 16,328, for constructing wards for caste patients at the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From W. P. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, to the Under-Secretary to Government, Public Works Department, dated Madras, 20th April 1891, No. 212.

I have the honor to acknowledge the receipt of your letter No. 2158 C., dated 18th instant, and forward, herewith, three printed copies of the Engineer's detailed budget estimate for expenditure on Harbour Works during the current official year.

ORDER—dated 27th April 1891, No. 1152 W., Public Works.

Ordered that the budget estimate of the Madras Harbour Works for 1891-92 be forwarded to the Government of India.

(Here enter No. 1153 W., dated 27th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chairman, Harbour Trust Board.
„ Marine Department.
„ Financial Department.

ENDORSEMENT—dated 27th April 1891, No. 1153 W., Public Works.

Forwarded.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, Nos. 1152, 1153 W.

APRIL.

Madras Harbour Works

Forwarding the budget estimate of the — for 1891-92.

BUDGET ESTIMATE OF EXPENDITURE ON THE HARBOUR WORKS IN MADRAS DURING THE YEAR 1891-92.

—	Actual, 1889-90.	Budget estimate, 1890-91.	Revised estimate, 1890-91.	Budget estimate, 1891-92.
	RS.	RS.	RS.	RS.
Reconstruction	6,59,977	6,20,825	5,92,836	5,15,034
Repairs	...	...	...	...
Establishment	56,055	54,175	54,175	55,566
Tools and plant	24,720	1,00,000	75,000	1,45,158
Suspense	42,640	25,000	25,000	30,000
Total ...	7,83,392	8,00,000	7,47,011	* 7,45,758

* Exclusive of proposed outlay upon revetment.

MADRAS,
12th February 1891.

(Signed) A. LEE POGSON,
Engineer, Harbour Trust Board.

HARBOUR TRUST BOARD.

DETAIL of the Budget Estimate for Establishment for the Harbour Works in Madras for 1891-92.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Average per mensem. Rs.	A.	P.	Estimate for 1891-92. Average per annum.	Estimate for 1891-92. Total.	Estimate for 1890-91. Charges per annum.
			RS.	RS.	A.	P.	RS.	RS.	RS.
		CONSTRUCTION.							
		ENGINEER ESTABLISHMENT.							
1	1	Engineer, Harbour Trust Board	850 to 1,000	983	5	4	...	...	...
1	1	Assistant Engineer	600	*600	0	0	...	...	...
2	2	Total ...	...	1,583	5	4	19,000	...	17,400
		UPPER SUBORDINATE ESTABLISHMENT.							
1	1	Sub-Engineer	400	400	0	0	...	...	...
1	1	Head Foreman of Works ...	350	350	0	0	...	...	...
1	1	Mechanical or Foreman Engineer	350	350	0	0	...	...	...
1	1	Foreman Diver	350	350	0	0	...	...	...
1	1	Accountant, 4th grade ...	80 to 150	150	0	0	...	...	...
5	5	Total ...	...	1,600	0	0	19,200	...	19,188
		PETTY ESTABLISHMENT.							
1	1	Chief Storekeeper	120 to 150	140	0	0	...	...	...
1	1	Assistant Storekeeper as 3rd class, 3rd grade	50 to 60	60	0	0	...	...	...
1	1	Godown-keeper as Clerk, 4th class, 3rd grade	20 to 30	27	8	0	...	...	...
1	1	Lascar	7	7	0	0	...	...	...
4	4	Total ...	...	234	8	0	2,814	...	2,676
		OFFICE ESTABLISHMENT.							
		Engineer.							
1	1	Head Clerk, 3rd class, 1st grade	80 to 100	96	10	8	...	...	...
1	1	Clerk, 4th class, 2nd grade ..	30 to 40	39	0	0	...	..	...
1	1	Do. do. ...	30 to 40	37	2	8	...	...	...
1	1	Draughtsman, 1st class ...	50 to 70	60	5	4	...	...	...
1	1	Do. 2nd do. ...	35 to 50	50	0	0	...	...	..
1	1	Dhoby	1½	1	8	0	...	...	...
3	3	Peons	7	21	0	0	...	..	...
9	9	Total ...	...	305	10	8	3,668	...	...
		Assistant Engineer.							
1	1	Clerk, 4th class, 1st grade ..	40 to 50	50	0	0	...	...	...
1	1	Surveyor as Draughtsman, 1st class	50 to 70	70	0	0	...	...	...
3	3	Peons	7	21	0	0	...	...	...
5	5	Total ...	...	141	0	0	1,692	...	...

* As per Resolution of Harbour Trust Board, communicated with Secretary's endorsement No. 686 E., dated 26th February 1891.

Detail of the Budget Estimate for Establishment for the Harbour Works in Madras for 1891-92—*cont.*

Number.		Particulars.	Salary of Office.	Estimate for 1891-92.			Estimate for 1890-91.
1890-91.	1891-92.			Average per mensem.	Average per annum.	Total.	Charges per annum.
		CONSTRUCTION—*cont.*	RS.	RS. A. P.	RS.	RS.	RS.
		OFFICE ESTABLISHMENT—*cont.*					
		Sub-Engineer.					
1	1	First Clerk, Time-keeper, 4th class, 1st grade	40 to 50	50 0 0	...	...	...
1	1	Second Clerk, 4th class, 2nd grade	30 to 40	40 0 0	...	...	...
1	1	Draughtsman, 3rd class ...	20 to 30	27 0 0	...	...	...
2	2	Peons	7	14 0 0	...	...	...
5	5	Total ...	...	131 0 0	1,572	...	...
		Accounts Establishment.					
1	1	Cashier as Clerk, 3rd class, 3rd grade	50 to 60	60 0 0	...	...	...
1	1	Clerk, 4th class, 1st grade ...	40 to 50	48 13 4	...	...	...
1	1	Do. do. 3rd do. ...	20 to 30	30 0 0	...	...	...
1	1	Lascar	7	7 0 0	...	...	...
4	4	Total ...	...	145 13 4	1,750	...	...
		Total, Office Establishment	...	...	8,682	...	8,526
		Presidency house-rent and allowance to Accountant.	...	40 0 0	480	...	480
		Total, Construction Salaries.	...	...	...	50,176	48,270
		Travelling allowances ...	...	...	400	400	1,000
		CONTINGENCIES AS FOLLOWS.					
		RS.					
		Stationery 1,000					
		Other charges ... 1,500					
		Contribution towards pension and leave allowances for Accountant 300					
		Remuneration for Auditors 750	...	...	3,550	3,550	3,465
		Work establishment (Watch and ward)	...	120 0 0	1,440	1,440	1,440
		Grand Total ...	...	...	...	55,566	54,175

ABSTRACT of foregoing Provision for Establishment.

—	Salaries.	Travelling allowance.	Contingencies.	TOTAL. 1891-92.	TOTAL. 1890-91.
	RS.	RS.	RS.	RS.	RS.
Direction	...	...	...	...	...
Construction	50,176	400	3,550	54,126	52,735
Work establishment, watch and ward and periodical surveys	1,440	...	...	1,440	1,440
Total ..	51,616	400	3,550	55,566	54,175

(Signed) A. LEE POGSON,
Engineer, Harbour Trust Board.

MADRAS,
12th February 1891.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.

Account.

Read—the following papers :—

From H. S. TAYLOR, Esq., Superintendent of Works, No. I Periyár division, to the Chief Engineer, Public Works Department, dated Periyár, 2nd April 1891, No. 2 C.E.

I have the honour to inform you that, in lieu of a telegraph receipt for Rs. 3-4-0, which was missing, in support of the cost of a service message sent on the 6th November 1890 to Messrs. Best and Co., Madras, for the supply of detonators, a certificate of payment, as prescribed in Code para. 1643, was submitted to the Examiner for acceptance with the reply to the disallowance list on the contingent bill for the month ; but it is pointed out by the Examiner that, with reference to G.O., No. 3344 W., dated 16th December 1890, that he has no authority to dispense with vouchers for State telegrams.

2. I have therefore the honour to refer for orders as to the procedure to be observed in such cases.

Office-note from the Examiner, Public Works Accounts, dated Madras, 14th April 1891, No. 2210.

[Your office-note, No. 1950 C., of 7th April 1891.]

Under G.O., No. 3344 W., of 16th December 1890, vouchers are required for all State telegrams irrespective of the amount involved, but no provision is made for cases in which vouchers are mislaid, and I have thought it best to press this disallowance with a view to getting a satisfactory settlement of the question of certificates in lieu of missing vouchers.

2 The certificate sent by the Executive Engineer was a certificate of the kind referred to in Code para. 1643, *i.e.*, a certificate to the effect that the cash book shows the payment to have been made, and though such certificates are obviously useless as substitutes for vouchers and Code para. 1643-A shows clearly that they are not intended as substitutes for vouchers, yet I am continually being asked to accept them as such.

3. As I have already pointed out in connection with report of the Accounts committee, a voucher is required for one or both of two purposes, namely—

(*a*) as security against a repetition of the claim by the payee, or
(*b*) as security against fraud on the part of the payer,

And considering a voucher in the former aspect no substitute for a mislaid voucher is of the slightest use, except a duplicate signed by the payee ; but there are certain classes of transactions (*e.g.*, payments for telegrams) in connection with which vouchers are really only required for the second purpose (*b*), and as regards transactions of all kinds there may be special cases in which it is impossible to get a duplicate receipt signed by the payee, or in which it may not be worth while to go to the trouble of getting one, and in all such cases a *suitable* certificate may be a very satisfactory substitute for the original receipt.

4. But a certificate of the kind referred to in Code para. 1643 is not at all suitable for the purpose ; it would be absurd to accept such certificates ; it would in fact be a direct encouragement to fraud on the part of cashiers. What is required is

independent evidence of the *bona fides* of the cash book entry and it is absurd to attempt to justify the entry by certificate that the entry exists.

5. The only sort of certificate that is of any real value is a certificate by a responsible and trustworthy person to the effect that to his personal knowledge the amount has been paid as recorded in the cash book and that he has satisfied himself that no part of the payment is covered by any other voucher or it might be sufficient for the person to certify that he had personally satisfied himself that the payment had been made as recorded, &c.

6. I am quite prepared to accept, in lieu of missing vouchers, certificates in some such terms as these if authorised by Government to do so, and a good deal of trouble would, I think, be avoided if I were allowed to accept them; but the terms of the certificate, the classes of cases in which it may be admitted, the classes of officers whose signature is to be considered sufficient, either with or without counter-signature by some superior officer, and the money limit, if any, should, I think, be prescribed by Government.

7. The abnormally frequent resort to certificates in any particular division would of course have to be noticed as a probable indication of carelessness.

8. The particular charge now in question will be passed if Government so desires either with or without any further certificate as Government may direct.

ORDER—dated 27th April 1891, No. 1154 W., Public Works.

The Government approves the proposals of the Examiner, Public Works Accounts, and prescribes the following rules for the submission of certificates in lieu of missing vouchers:—

(1) The certificate will be to the effect that the officer concerned has personally satisfied himself that the payment has been made as recorded in the cash book and that no part of the payment is covered by any other voucher.

(2) Such certificates will be admitted in the case of payments of all kinds not exceeding Rs. 10, for which vouchers are not forthcoming. Cases of missing vouchers for payments of over Rs. 10 will be reported for the orders of Government.

(3) The certificate will be signed by the disbursing officer, and, if the disbursing officer is a subordinate, it must be countersigned by the Executive Engineer of the division. No countersignature will be required to a certificate signed by an officer of the Engineer establishment.

2. The frequent resort to certificates in lieu of vouchers in any particular division will be brought to the notice of Government by the Examiner.

3. The charge for the telegram referred to in the letter from the Superintendent of Works, Periyár Project, above recorded, will be admitted by the Examiner on the certificate already submitted.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Superintendent of Works, Periyár Project.
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Gobt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, No. 1154 W.

APRIL.

Vouchers

Prescribing certain rules for the submission of certificates in lieu of missing—.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From the Executive Engineer, Madura division, to the Superintending Engineer, VI Circle, dated 18th December 1890, No. 594 S.E.

I have the honour to inform you that G.O., No. 124 W., of 12th January 1888, has provided for the advance of railway fare to divisional lascars being made from an imprest entrusted to the head clerk of the divisional office and G.O., No. 2694 W., of the 14th October 1890, has prescribed a similar procedure for the treatment of advances to sub-divisional lascars, but as far as I am aware there is no provision for the incidence of railway fare advanced to lascars under overseers and supervisors.

2. This difficulty has arisen in connection with the Tank Restoration Scheme parties attached to this division, and I would request the favour of your moving Government for an authoritative ruling in respect to such charges also. The overseers and supervisors being themselves imprest-holders, I beg to suggest that they may be permitted to advance railway fares from their imprests and hold the receipts as part of their cash balance until travelling allowances are audited and paid.

No. 908 M.D.

Copy submitted to the Chief Engineer, Public Works Department, for favourable consideration and orders. The Executive Engineer's proposal appears necessary and reasonable.

2nd December 1890. (Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Superintending Engineer, VI Circle.

Office-note from the Examiner, Public Works Accounts, dated Madras, 7th April 1891, No. 2066.

[Your office-note No. 68 C., dated 7th January 1891.]

I have been a long time disposing of this reference, but the fact is that, having regard to the large number of cases in which imprests for the purpose in question must be given even under existing order and to the very great extension of the system which would follow the adoption of the proposal under consideration, it seemed to me indispensable to provide some ready means of keeping a clear account of these imprests and I have found considerable difficulty in doing so.

2. The suggestion of the Executive Engineer, Madura division, is that the advance of travelling allowance should be made from the ordinary imprest of the subordinate concerned; but this would, I am sure, lead to endless confusion and give

infinite trouble. An imprest is a very convenient thing, and the keeping of the account of an imprest in the prescribed form of imprest cash account is a very simple matter as long as you adhere strictly to the procedure which the term "imprest" is understood to indicate, that is to say, as long as the imprest-holder's receipts are strictly confined to recoupments by the person making the original advance of the actual disbursements of the imprest-holder; but if you go beyond this, and especially if you introduce recoverable advances, or anything of the nature of a suspense transaction, not only does the simplicity of the imprest at once disappear, but it becomes quite impossible to keep a proper account of the transaction in the prescribed form of imprest cash account.

3. It may at first sight seem that the difficulty could be met by the Executive Engineer's proposal to treat vouchers for advances as part of the cash balance, from which I gather that he does not propose to bring the advance transactions (advances and recoveries) to account at all; but then, in the absence of any effectual process—as far as I can see no satisfactory process could be devised—for withdrawing vouchers from the imprest-holder as they successively become invalid by repayment of the amounts advanced, it would be very difficult to check the imprest balance properly unless the imprest-holder kept a separate account of the advance transactions by means of which they could be readily followed.

4. It seems to me, therefore, that the best plan will be to provide for giving *separate* imprests of suitable amount for the special purpose in question and to provide a special form after the pattern accompanying for the purpose of keeping the account. The form provides for showing on one side of the book (1) in chronological order necessary details of all advances and recoveries and on the other side for (2) ledgering the transactions so as to show the state of the account of each lascar and for (3) proving the cash balance every time that the balances of the individual lascars are struck.

5. The form, as drafted, assumes a maximum of six lascars, and this should, I think, be more than enough for any probable case; but the form could be made to provide for a larger number if you think it necessary.

ENCLOSURES.

Travelling allowance imprest cash book of clerk ....

Date of advance.	Voucher number.	Particulars of transaction.	Amount of each: Payment.	Amount of each: Receipt.
1	2	3	4	5
			RS. A. P.	RS. A. P.
		Opening balance	..	9 0 0
10th April ..	1	Advance to Ramasawmy	1 8 0	..
	2	Do. to Gundareddy	1 0 0	..
		Closing balance	6 8 0	..
		Total ..	9 0 0	9 0 0
		Opening balance	..	6 8 0
20th " ..	3	Advance to Gundareddy	3 0 0	..
	4	Do. to Rungen	1 8 0	..
		Closing balance	2 0 0	..
		Total ..	6 8 0	6 8 0
		Opening balance	..	2 0 0
25th " ..		Recovered by travelling allowance bill for March 1890	..	5 8 0
		Closing balance	7 8 0	..
		Total ..	7 8 0	7 8 0
		Opening balance	..	7 8 0
2nd May ..		Recovered from Gundareddy as payment of salary for April 1890.	..	0 8 0
		Closing balance	8 0 0	..
		Total ..	8 0 0	8 0 0

Account of advances and recoveries.

Date of entry.	Particulars.	AMOUNT OF ADVANCES TO AND RECOVERIES FROM EACH INDIVIDUAL.						Total.	Add cash balance on same date.	Amount of imprest.
		Rama-sawmy.	Gunda-reddy.	Rungen.	And so on	—	—			
1	2	3	4	5	6	7	8	9	10	11
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
	Outstanding on 31st March 1890 ..	2 0 0	2 0 0	2 0 0	..	..	..	6 0 0	9 0 0	15 0 0
10th April.	Advances	1 8 0	1 0 0	..	..	..	..	2 8 0	..	..
	Total recoverable.	3 8 0	3 0 0	2 0 0	..	..	..	8 8 0	6 8 0	15 0 0
20th ,,	Advances.. ..	..	3 0 0	1 8 0	..	..	..	4 8 0	..	..
	Total recoverable.	3 8 0	6 0 0	3 8 0	..	..	..	13 0 0	2 0 0	15 0 0
25th ,,	Recovered by travelling allowance bill for March 1890 ..	2 0 0	1 8 0	2 0 0	..	..	..	5 8 0	..	..
	Balance recoverable.	1 8 0	4 8 0	1 8 0	..	..	..	7 8 0	7 8 0	15 0 0
1st May.	Recovered on payment of salary ..	..	0 8 0	..	..	..	..	0 8 0	..	..
	Balance recoverable.	1 8 0	4 0 0	1 8 0	..	..	..	7 0 0	8 0 0	15 0 0

Office-note from the Examiner, Public Works Accounts, dated Madras, 17th April 1891, No. 2296.

The round sum advanced to the clerk will be an imprest and as such part of cash balance of Executive Engineer, but advances to lascars will not appear in Executive Engineer's books at all.

ORDER—dated 27th April 1891, No. 1156 W., Public Works.

There is no objection to the maintenance by Upper Subordinates, not in charge of sub-divisions, of separate imprests of Rs. 10 in each case for the purpose of meeting advances to lascars on account of travelling expenses.

2. The procedure indicated in para. 4 of the Examiner's office-note No. 2066, dated 7th April 1891, will be adopted in keeping the account of such imprests.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Chief Engineer for Irrigation.
,, Consulting Architect to Government.
,, Superintendent of Works, Periyár Project.
,, Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, No. 1156 W.

APRIL.

Imprests

Orders regarding the maintenance of separate — of Rs. 10 by Upper Subordinates not in charge of sub-divisions and for keeping the accounts of such imprests.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From the Superintending Engineer, VI Circle, dated 17th February 1891, No. 1469 T.C.
" " " " " 8th October 1890, " 1368 T.J.

No. 1665 T.C.

REVISED statement of proposition for temporary establishment required for the VI Circle during the year 1891-92 (*vide* Chief Engineer, Public Works Department, No. 1454 C., dated 14th March 1891).

Order sanctioning the present establishment. Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of change.										Proposition.						
			Present scale.						Proposed scale.				Permanent.		Temporary.				Remarks.
					Pay.						Pay.		Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
				Petty Establishment.	RS.	RS.	RS.	RS.		*Petty Establishment.*	RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.	
1152 W.	19th April 1890.	Trichinopoly division.	1	Watchman, Division office.	..	..	..	6	1	Watchman, Division office.	..	..	..	6	..	..	12	72	..	..	1
			1	Scavenger do. ..	..	..	..	½	1	Scavenger do. ..	..	..	..	½	..	..	12	6	..	..	2
Do.	Do. ..	Madura division.	1	Watchman, Divisional stores.	..	..	..	6	1	Watchman, Divisional stores.	..	..	..	6	..	..	12	72	..	..	3
			1	Watchman for Dindigul sub-division.	..	..	..	5	1	Watchman for Dindigul sub-division.	..	..	..	5	..	..	12	60	..	.	4
			1	Watchman for Periyakulam sub-division.	..	..	..	3½	1	Watchman for Periyakulam sub-division.	..	..	..	3½	..	..	12	42	..	..	5
Do.	Do. ..	Tinnevelly division.	1	Sweeper, Division office ..	..	..	..	2½	1	Sweeper, Division office ..	..	..	..	2½	..	..	12	30	..	..	6
381 W.	5th Feb. 1890.	No. II Periyár division.	1	Storekeeper	..	..	..	20	1	Storekeeper	..	..	..	† 25	..	..	12	300	..	..	7
			16	Lascars	..	..	..	6	*16	Lascars	..	..	..	6	..	..	12	1,152	..	..	
1152 W.	19th April 1890.	Superintending Engineer, VI Circle.	1	Store watchman ..	..	..	..	6	1	Store watchman ..	..	..	..	6	..	..	12	72	..	..	8
			1	Sweeper and scavenger ..	..	..	..	1	1	Sweeper and scavenger ..	..	..	..	1½	..	..	12	18	..	..	9
				Office Establishment.						*Office Establishment.*											
..	....	Trichinopoly division.	..	......	..	..	..	..	1	Clerk, north sub-division..	..	..	..	15	..	..	12	180	..	..	10
1152 W.	19th April 1890.	Madura division.	1	Clerk, Division office ..	..	..	..	30	1	Clerk, Division office ..	..	..	..	30	..	..	12	360	..	..	11
			1	Do. Dindigul sub-division office.	..	..	..	20	1	Do. Dindigul sub-division office.	..	..	..	20	..	..	12	240	..	..	12
3137 W.	25th Nov. 1890.	Tinnevelly division.	..	......	..	..	..	..	1	Clerk, Tenkarai sub-division.	..	..	..	15	..	..	12	180	..	..	13
			1	Clerk, Division office ..	..	..	..	20	1	Do. Division office ..	..	..	..	20	..	..	12	240	..	..	14
			1	Draftsman	..	..	..	40	1	Draftsman	..	..	..	40	..	..	6	240	..	..	15

381 W.	5th Feb. 1890.	No. II Periyár division.	1	Clerk, 3rd class, 2nd grade.	..	..	..	70	1	Clerk, 3rd class, 2nd grade.	..	..	..	70	..	..	12	840	..	..	16
			1	Do. 4th do. 1st do.	..	..	..	45	1	Do. 4th do. 1st do.	..	..	..	45	..	..	12	540	..	..	17
			1	Do. 4th do. 2nd do.	..	..	..	35	1	Do. 4th do. 2nd do.	..	..	..	35	..	..	12	420	..	..	18
			2	Clerks, 4th do. 3rd do.	..	..	..	25	2	Clerks, 4th do. 3rd do.	..	..	..	25	..	..	12	600	..	..	19
			4	Do. for four sub-division offices.	..	..	..	25	4	Do. for four sub-division offices.	..	..	..	25	..	..	12	1,200	..	..	20
			6	Messengers	..	..	..	7	1	Messenger	..	..	..	7	..	..	12	84	..	..	21
									†5	Messengers	..	..	..	6	..	..	12	360	..	..	22
			1	Draftsman, 1st class ..	..	..	..	60	1	Draftsman, 1st class ..	..	..	..	60	..	..	12	720	..	..	23
			1	Do. 3rd do. ..	..	..	..	25	1	Do. 3rd do. ..	..	..	..	25	..	..	12	300	..	..	24
54 W.	7th Jan 1891.	Superintending Engineer, VI Circle.	1	Clerk	..	..	..	20	1	Clerk	..	..	..	20	..	..	3	60	..	..	25
				Lower Subordinate Establishment.						*Lower Subordinate Establishment.*											
..	....	No. II Periyár division.	2	Sub-overseers	..	..	..	60	2	Sub-overseers	60	..	..	..	..	..	..	1,440	..	..	
			2	Do.	..	..	..	40	2	Do.	40	..	..	..	..	..	..	960	..	..	
				Total ..	..	..	..	..		Total ..	..	..	..	..	..	..	..	10,788	..	..	

* 4 for Division office.
12 for four Sub-division offices.

† Increase sanctioned in G.O., No. 664 W., dated 7th March 1891.

‡ 1 for Division office.
4 for Sub-division office.

Items 1 to 6, 9, 11 and 12 require no special explanation, the necessity for the same having been admitted by Government in previous years and sanctioned in the No. 1152 W., dated 19th April 1890, but, in the case of item 9, the pay has been raised from Re. 1 to Rs. 1½ as the existing rate is considered inadequate for the work of both sweeper and scavenger.

2. Items 7 and 8 and 16 to 24 have been included in the statement as directed by the Chief Engineer and these are for a first-class division office and four sub-division offices.

3. *Items* 10 *and* 13.—The necessity for an assistant clerk for these important sub-divisions has been already fully explained in para. 4 of this office letter, printed in G.O., No. 1152 W., of 19th April 1890. Sanction to these items is now again strongly recommended.

4. *Items* 14 *and* 15.—An additional clerk for the whole year and draftsman for six months are very much required. The necessity for these extra hands has been already explained in the letters printed in G.O., No. 3137 W., of 25th November 1890.

5. *Item No.* 25.—The sorting of records of the Tanjore district has not yet been finished; it will take at least three months more; temporary clerk is therefore absolutely necessary.

6. Office establishment required for overseers or upper subordinates in No. II Periyár and other divisions are not provided in the foregoing statement as directed by the Chief Engineer and under G.O., No. 537 W., dated 16th February 1888.

7. Pending orders of Government on the foregoing statement, Executive Engineers have been authorised to retain the temporary establishments sanctioned during the current year.

22nd March 1891.

(Signed) J. W. MARTIN,
Offg. Suptdg. Engr., VI Circle.

Office-note from the Examiner, Public Works Accounts, dated 15th April 1891, No. 2251.
From the Superintending Engineer, VI Circle, dated 2nd April 1891, No. 3 P.R.

ORDER—dated 27th April 1891, No. 1157 W., Public Works.

The temporary establishment required in the VI Circle, as detailed in the statement submitted by the Superintending Engineer, VI Circle, with his No. 1665 T.C., dated 22nd March 1891, is sanctioned.

2. This sanction has been registered as Provincial No. 10 W. of 1891-92 and classified as Establishment, Temporary.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
„ Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, No. 1157 W.

APRIL

Temporary Establishment

The — required in the VI Circle during 1891-92 sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 15th April 1891, No. 330, Revenue.

Read—the following Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), dated 8th April 1891, No. 205 :—

MR. CLOGSTOUN.

Read—the following letter from J. H. A. TREMENHEERE, Esq., Acting Collector of Chingleput, to the Secretary to the Commissioner of Revenue Settlement and Director of the Department of Land Records and Agriculture, dated Saidápet, 4th April 1891, Reference on No. 1086-Eng. :—

With reference to paragraph 4 of Board's Proceedings, dated 23rd ultimo, No. 157, I have the honour to forward, herewith, a list of Minor Irrigation works for the Saidápet taluk.

ENCLOSURE.

LIST of famine relief works in the Saidápet taluk (Minor Irrigation works).

Serial number.	Name of work.	Proposed allotment. RS.	A.	P.
1	Reconstructing Pallikaranai anai eri weir	47	2	10
2	Do. sluice in Jalladampettai tank	210	0	0
3	Do. do. in the Tirusoolam do.	130	0	0
4	Repairing the weir in Kovilambakam do.	150	0	0
5	Deepening the Settiyavagaram kasam	465	0	0
6	Do. the Thandarai kasam	214	0	0
7	Do. the Nolambur do.	116	0	0
8	Constructing a new sluice in the Kovilanjeri tank	130	0	0
9	Repairing the bund of Medavakkam keelari	200	0	0
10	Do do. Thaaramani and Kanagam Hissa tank ...	250	0	0
11	Constructing a new sluice in the Virugambakkam do. ...	120	0	0
12	Repairing the bund of Vengavasal tangal	200	0	0
13	Do. do. Medavakkam Atti tangal	200	0	0
14	Do. the Neikundram river channel	100	0	0
15	Do. the bund of Ramapuram tank	250	0	0
16	Reconstructing the sluice of Ramapuram tank	130	0	0
17	Repairing the bund of Vilasaravakkam tank	200	0	0
18	Do. do. Meyyur tangal	200	0	0
19	Deepening the kasam in Karambakkam	157	0	0
20	Repairing the bund of Nesappakkam tangal	150	0	0
21	Do. do. Palantandalam Vannam tangal	160	0	0

List of famine relief works in the Saidápet taluk (Minor Irrigation works).—*cont.*

Serial number.	Name of work.	Proposed allotment.		
		RS.	A.	P.
22	Reconstructing the sluice in Palantandalam Vannam tangal ...	130	0	0
23	Repairing the bund of Melpakkam tank	256	0	0
24	Palavakkam kasam (deepening)	200	0	0
25	Karappakkam do. (do.)	200	0	0
26	Repairing Poonamallee channel	300	0	0
27	Sholanginallur kasam (deepening)	360	0	0
28	Do. do. (do.)	360	0	0
	Total ...	5,585	2	10

Resolution—dated 8th April 1891, No. 205.

Submitted to Government in continuation of Board's Proceedings, dated 23rd March 1891, No. 157.

2. The Collector is requested to furnish the information called for in paragraph 2 of G.O., dated 24th idem, No. 238.

(True Copies and Extract.)

(Signed) P. RAJARATNA MUDALIAR,
Secretary.

Order—dated 15th April 1891, No. 330, Revenue.

Recorded.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 27th April 1891, No. 1158 W., Public Works.

Communicated to the Chief Engineer for Irrigation and the Superintending Engineer, V Circle, in continuation of G.O., No. 903 W., dated 1st April 1891.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, V Circle.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, No. 1158 W.

APRIL.

Famine Relief (Minor Irrigation Works) in the Saidapet Taluk

List of — communicated to the Chief Engineer for Irrigation and the Superintending Engineer, V Circle.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From H. G. PRENDERGAST, Esq., Superintendent of Police, Kistna district, to the Superintending Engineer, II Circle, dated Bezváda, 31st March 1891, No. 234.

As the Police station at Tadepalli will be removed to Rayapudi, I have the honour to request that you will be so good as to have the station-house at the latter place replaced at my disposal.

No. 61 K.S.

Copy forwarded to the Chief Engineer, Public Works Department, with a request that sanction of Government may be obtained for the re-transfer of the building at Rayapudi, Guntúr taluk, to the Police Department with reference to G.O., No. 1309 W., of 8th May 1890.

Bezvada,
9th April 1891.

(Signed) W. JOPP,
Offg. Suptdg. Engr., II Circle.

Order—dated 27th April 1891, No. 1159 W., Public Works.

Sanctioned.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
„ Examiner, Public Works Accounts.
„ Judicial Department.
„ Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, No. 1159 W.

APRIL.

Police Station

The re-transfer of the — house at Rayapudi, Kistna district, to the Police Department, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

From W. JOPP, Esq., Executive Engineer, Kistna Eastern Division, to the Superintending Engineer, II Circle, dated 7th January 1891, No. 4654.

Hitherto a percentage charge of 7½ per cent. has been made on all work carried out in the Bezváda workshops to cover the cost of workshop establishment.

2. Until the transfer of Sergeant F. Hambley to the Dowlaishweram shops and the arrival of Sergeant Joyce, this percentage charge on works more than covered the charges on account of establishment as will be seen from the following figures:—

	Charges.	Percentage realized.
	RS.	RS.
1887-88	4,037	3,785
1888-89	3,969	4,887
1889-90	4,409	4,632

3. Sergeant Hambley being on the permanent establishment, his pay was not taken into account in fixing the percentage charge, but, as Sergeant Joyce is not as yet officially graded as a Public Works subordinate, his pay will have to be borne by the workshops and it will be necessary to increase the percentage charge on works on this account.

4. It is thus found that to meet the present cost of establishment a centage charge of as much as 16 per cent. will have to be made on every job carried out in the shops.

5. The rates of work will thus be much enhanced and there will be much disinclination to send indents on the shops when work can be done cheaper outside.

6. At the Dowlaishweram workshops the percentage charged for establishment is only 2 per cent., but the only establishment that has to be provided for is, I understand, the office and some petty establishment.

7. At the Bezváda workshops, from the Deputy Superintendent downwards, as also the accountant and office establishment, and assistant storekeeper, all are borne on temporary list and have to be paid from the percentage charges on works carried out in the shops.

8. I append a list of such establishment, one and all are necessary; but, in my opinion, it is unfair to saddle the workshop with the maintenance of some of them, who, it seems to me, carry out duties, which, if the workshops did not exist, would devolve on the permanent establishment of the different project divisions concerned, necessitating an increase in their present strength.

9. Sergeant Joyce and his lascars I will hereafter refer to, but, as an example, I may draw attention to the store establishment. Assistant storekeepers, M. Ranganayakulu and D. Soorianarayana Sastry, are employed in purely divisional work. The divisional store being entirely separate and distinct from the workshops, there seems no reason why their pay should be charged to the workshops; it would be more appropriate for the delta divisions to be charged with their salaries.

Take again the draftsman. It is open to question whether he also should not be borne on the permanent strength of the division establishment as his time is chiefly taken up with the preparation of estimates and so forth, which, if the workshops did not exist, would be performed by the ordinary permanent establishment of the three divisions.

10. As regards Sergeant Joyce, this subordinate, in addition to his legitimate workshop duties, is in charge of the floating plant, dredges, machinery and steam launch, there being no boat superintendent as at Dowlaishweram. In order also that he may be able to attend to demands made in these matters, it is absolutely necessary that the staff of lascars should be maintained.

11. I have, therefore, to propose that the following members of the workshops establishment be brought on to the permanent establishment, thus relieving works of charges which should be borne by establishment :—

	RS.
Sergeant J. S. Joyce	130
Storekeeper	20
Assistant storekeeper	15
Draftsman	25
Two lascars	12
Total ...	202

12. If this is approved, the present charge of $7\frac{1}{2}$ per cent. on work turned out will just cover the cost of the remaining establishment. Even this figure compares unfavourably with the Dowlaishweram works.

No. 2633 K.S.

Copy submitted to the Chief Engineer, Public Works Department, through the Chief Engineer for Irrigation, with a request that the Executive Engineer's proposals be sanctioned or otherwise percentage raised to 16 per cent.

BEZVADA, (Signed) J. HANNAN,
24th January 1891. Superintending Engineer, II Circle.

No. 5 E.W.

Forwarded to the Chief Engineer, Public Works Department.

(Signed) H. E. CLERK,
29th January 1891. *for* Chief Engineer for Irrigation.

Office-note from the Examiner, Public Works Accounts, dated Madras, 25th March 1891, No. 1894.

The men, whom it is proposed to bring on the permanent establishment, are—

(1) Foreman on Rs. 130 per mensem.
(2) Storekeeper on Rs. 20 per mensem.
(3) Do. on Rs. 15 do.
(4) Draftsman on Rs. 25 do.
(5) Two lascars at Rs. 6 do.

2. These men are all engaged on general duties in the shops and there appears to be no objection to their being brought on the permanent establishment; men holding similar appointments in the Presidency shop are on the permanent establishment. If, however, the present incumbents are not qualified for these appointments under the examination rules there may be a difficulty unless they are exempted therefrom by Government in the Educational Department, and if, as seems to be the case, they are over 25 years of age sanction of the Chief Engineer, Public Works Department, to their entertainment will also be necessary. The draftsman on Rs. 25 per mensem would have to be graded as draftsman, third class (*vide* Code para. 46).

3. In this connection I beg to submit a comparative statement showing the establishment employed in the several workshops of the Presidency and to point out the great diversity of practice in charging the pay of the establishment employed. It seems to me that it would be desirable to introduce something like uniformity. At present in two cases, *i.e.*, in the case of Bezváda and Nellore workshops, the whole of the charges go to jobs, and, in two others, nearly the whole (in one, viz., Presidency workshops the whole) to establishment. If the Executive Engineer's proposals are adopted, there will be three cases in which nearly the whole will be charged to establishment, and probably it would be well to make a similar change in the fourth case also, viz., Nellore.

Office-note from the Examiner, Public Works Accounts, dated Madras, 17th March 1891, No. 1631.

I forward, herewith, memo. No. 2599 K.S., dated 22nd January 1891, from the Superintending Engineer, II Circle, and its enclosure, communicating sanction to a revised scale of establishment for the Bezváda workshops, and, with reference to this and other similar sanctions for workshops establishments, I invite attention to para. 2 of the Government of India letter No. 3374 G. of 6th December 1890 (copy herewith) which has recently been communicated to me with Pension Department G.O., No. 108 of 27th January 1891. In that letter the Government of India remarked that the appointment of the individual concerned should have been regularly sanctioned (*i.e.*, sanctioned by Government as "establishment") and that it was irregular to have charged his pay to "contingencies."

2. The position of workshops' employés continuously charged to works seems to be precisely the same (as regards the point taken by the Government of India) as that of press employés continuously charged to contingencies, and I think that, on the principle indicated, the workshop establishment generally should be sanctioned by Government under establishment, either permanent or temporary, as Government may be pleased to decide.

3. Please obtain the orders of Government on the subject.

Office-note from the Examiner, Public Works Accounts, dated 3rd April 1891, No. 1973.

ORDER—dated 27th April 1891, No. 1161 W., Public Works.

The Government agrees with the Examiner, Public Works Accounts, that the pay of individuals who are continuously employed in Public Works workshops should be charged to the head "Establishment" and not to "Contingencies."

2. The statement attached to these Proceedings contains a list of employés in the Bezváda, Dowlaishweram and Nellore workshops, whose salaries are charged off to jobs. The item "washerman" at 4 annas per mensem will continue to be charged to contingencies, but the salaries of the rest of the individuals will be debited to the budget grant for establishment with effect from the commencement of the current official year.

3. The Superintending Engineer, II Circle, has already recommended that the undermentioned officials of the Bezváda workshops be brought on the permanent establishment:—

	Per mensem. RS.
Workshop superintendent	130
Storekeeper	20
Assistant storekeeper	15
Draftsman	25
Two lascars	6 (each).

This proposal is sanctioned, the draftsman being graded as third class. The draftsman on Rs. 35 per mensem in the Dowlaishweram workshops will also be brought on the permanent establishment as second class. The Superintending Engineer, II Circle, will report his opinion as to which of the other officials in the Bezváda and Nellore workshops should be graded as permanent and which as temporary.

4. If necessary, applications should be submitted for the exemption of the present incumbents of the posts in question from the operation of the examination and twenty-five year rules.

5. The sanction accorded in para. 3 has been registered as Provincial No. 12 W. of 1891-92 and classified as Establishment, Permanent.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" " " I "
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, No. 1161 W.

APRIL.

Public Works Workshops

Passing orders regarding the adjustment of the pay of individuals continuously employed in workshops and certain officials of the — at Bezváda brought on the permanent establishment.

Appendix to G.O., No. 1161 *W., dated 27th April* 1891.

STATEMENT showing the establishment in the workshops of the Presidency whose salaries are charged to works.

Designation, &c.	Bezvada.			Dowlaishweram.			Nellore.		
	No.	Rate of salary.	Amount.	No.	Rate of salary.	Amount.	No.	Rate of salary.	Amount.
		RS.	RS.		RS.	RS.		RS.	RS.
Workshop superintendent ...	1	130	130	...	...	...	1	45	45
Foreman fitter	...	...	..	...	...	...	1	20	20
Accountant	1	50	50	...	...	...	...	...	...
Clerk, IV class, 3rd grade ...	2	30	60	...	...	...	...	...	...
Do. V do. 1st do. ...	1	20	20	...	...	...	...	...	...
Storekeeper	1	20	20	...	...	...	...	...	...
Assistant storekeeper ...	1	15	15	...	...	...	1	16	16
Draftsman	1	25	25	1	35	35	...	...	...
Time-keepers	1	15	15	...	...	...	...	...	...
Maistry	1	60	60	...	...	...	...	...	...
Smith maistry	1	30	30	...	...	...	...	...	...
Fitter do.	1	27	27	...	...	...	...	...	...
Tutor of apprentices ...	1	10	10	...	...	...	...	...	...
Lascars	2	7	14	...	...	...	...	...	...
Do.	2	6	12	...	...	...	...	...	...
Do.	8	5	40	...	..	...	...	...	...
Store lascars	...	...	...	...	...	...	1	5	5
Engine do.	...	...	...	...	...	...	1	5	5
Sweepers	1	7	7	...	...	...	1	4	4
Gate-keepers	...	...	...	...	...	...	2	5	10
Washermen	...	...	...	...	...	...	1	$\frac{1}{4}$	$\frac{1}{4}$
Total ...	26	...	535	1	...	35	9	...	$105\frac{1}{4}$

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

G.O., dated 16th April 1891, Mis. No. 887 L., Local and Municipal.

Read—the following paper :—

From the Public Works Department, dated 14th January 1891, No. 110 W.

ABSTRACT.—Communicating, for opinion, despatch from the Government of India, requesting certain information regarding canals and roads opened or in course of construction.

Order—dated 16th April 1891, Mis. No. 887 L., Local and Municipal.

The best method of obtaining the required information appears to be to have special maps prepared for the purpose by all Presidents of District Boards and to forward these to the Surveyor-General for the entry on his map of the necessary particulars. Presidents should be furnished by the Revenue Survey Department with taluk maps, scale 1″ = 1 mile, and the Local Fund Engineers should be required to fill in the maps in accordance with the following instructions :—

(1) Existing roads, roads constructed in the course of the year and roads in course of construction or proposed to be constructed should be clearly distinguished.

(2) The names of the several roads and the towns or important villages through which they pass should be entered in every case.

(3) Metalled roads should be distinguished from unmetalled roads, a single red line being used for the latter and a double for the former.

(4) Improvements to existing roads need not be shown.

2. It is observed that the information called for in para. 2 of the letter from the Government of India has been furnished by the Superintendent of Revenue Survey in his letter printed in G.O., dated 19th March 1891, No. 805 W.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 27th April 1891, No. 1164 W., Public Works.

Ordered to be forwarded to the Government of India in continuation of this department letter No. 806 W., dated 19th March 1891.

(Here enter No. 1165 W., dated 27th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

ENDORSEMENT—dated 27th April 1891, No. 1165 W., Public Works.

Forwarded.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, Nos. 1164, 1165 W.

APRIL.

Location of various Public Works

Forwarding Proceedings, Local and Municipal Department, suggesting the best method of obtaining information as to the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Despatch from the Right Honourable Her Majesty's Secretary of State for India, to His Excellency the Right Honourable the Governor in Council, Fort St. George, dated India Office, London, 5th March 1891, No. 5 Financial (Stores).

With reference to the letters noted in the accompanying list, I have to inform Your Excellency that I have sanctioned compliance with the indents therewith forwarded.

ENCLOSURE.

Madras.

* * * * *

5. Letter from Secretary to Government of Madras in Public Works Department, No. 3142 W., dated 25th November 1890 (lead for Telegraph office, Madras).

6. Letter from Secretary to Government of Madras in Public Works Department, No. 691 I., dated 26th November 1890 (dredger, &c., for Godávari Eastern division).

* * * * *

ORDER—dated 27th April 1891, No. 1166 W., Public Works.

Communicated to the officers concerned with reference to the undermentioned orders :—

G.O., No. 3141 W., dated 25th November 1890.
" " 690 I. " 26th " "

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " " V Circle.
" Consulting Architect to Government.
" Chief Engineer for Irrigation.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 27th.

Recd. *Encl.*

G.O., 27th April 1891, No. 1166 W.

APRIL.

Indents

Despatch from the Secretary of State intimating that he has sanctioned compliance with — for lead for the Telegraph office, Madras, and dredger, &c., for the Godávari Eastern division, communicated to officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From J. HANNAN, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated 22nd March 1891, No. 3236 K.S.

I have the honour to forward, herewith, for your approval and the sanction of Government, an estimate, amounting to Rs. 30,350, for metalling the road from Mudinapally bridge to Gudiváda.

2. Copy of the District Board's resolution approving the same is forwarded for information.

3. The rates are fair and the estimate is recommended for sanction.

ORDER—dated 29th April 1891, No. 1182 W., Public Works.

The estimate, amounting to Rs. 30,350, for metalling the road from Mudinapally bridge to Gudiváda in the Kistna district is sanctioned.

2. This sanction has been registered as Local No. 1 W. of 1891-92.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Local and Municipal Department, with seven enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 29th.

Recd. *Encl.*

G.O., 29th April 1891, No. 1182 W.

APRIL.

Road

Estimate of Rs. 30,350 for metalling the — from Mudinapally bridge to Gudiváda, Kistna district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Lieut.-Colonel W. P. TOMKINS, R.E., C.I.E., Chief Engineer, Madras Command, Military Works, to the Secretary to Government, Public Works Department, dated Ootacamund, 20th February 1891, No. 1393.

With reference to G.O., No. 246 W., dated 26th January 1891, I have the honour to inform you that the Consulting Architect has requested the Executive Engineer, Bangalore, "to furnish him at his earliest convenience with copies of all sanctioned Provincial works estimates, as the same have to be included in the return of sanctioned estimates of the Consulting Architect's division."

2. This procedure will entail considerable copying and it appears to me quite unnecessary, a copy of the abstract being the most that we should be asked to furnish.

3. While on this subject I may state that I do not consider the procedure, which has obtained this year or that which is apparently contemplated in the Government Order under reference, will prove suitable. By the former, when I received an estimate, which I approved, I asked the Madras Government for a grant and I invariably had the amount I asked for placed at my disposal; by the new orders it would seem that, when I approve an estimate and ask the Madras Government for funds, the grant will be placed at the disposal of the Consulting Architect and that I should then proceed to sanction the estimate and allot funds placed at the disposal of another officer.

4. If I may be permitted to make a suggestion, I would suggest that, for dealing with Provincial works in Bangalore and Wellington, certain sums for Provincial original works and repairs should be appropriated for the Chief Engineer, Madras Command, Military Works, at the beginning of each year. We would during the year make allotments against these grants and the outlay could be finally recorded in whatever office it was decided should record it.

5. The detail of the procedure I leave to you, but what I aim at is being able to sanction an estimate and allot the necessary funds without having to apply on each occasion for a grant either to you or any other officer.

From the Examiner, Public Works Accounts, dated 3rd March 1891, No. 1269.
" Consulting Architect to Government, " 14th " " 3794.
" Chief Engineer, Madras Command, Military Works, dated 4th April 1891, No. 2827.

ORDER—dated 29th April 1891, No. 1183 W., Public Works.

The Government is pleased to direct that the following procedure be adopted from the 1st April 1891 in regard to the provision of funds and adjustment of expenditure incurred by the Military Works Department on behalf of Provincial funds.

2. Lump sum grants for original works and repairs will be placed at the disposal of the Chief Engineer, Military Works, against which estimates can be sanctioned. The Executive Engineer of the neighbouring Public Works division will be supplied with an abstract of the estimate and intimation of allotments made. Immediately after the close of each month the expenditure incurred by the Military Works Department shall be debited in transfer to the Executive Engineer of the neighbouring division of the Madras Public Works Department, the advice of transfer being supported by the necessary receipts and vouchers for incorporation with his accounts. The expenditure incurred at Bangalore will be recorded in the books of the Consulting Architect, that at Wellington and Bellary in the books of the Coimbatore and Bellary divisions respectively.

3. The Chief Engineer, Military Works, will communicate to the Examiner of Public Works Accounts the allotments made to Executive Engineers from the lump sum grant placed at his disposal.

4. The grants required for 1891-92 will be shortly provided as promised in G.O., No. 239 W., dated 24th January 1891. For future years allotments will be made in the budget estimates and to admit of this being done the Chief Engineer, Military Works, will be requested to submit, on or before the 1st October of each year, an estimate of probable expenditure in the ensuing official year.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineers, III and IV Circles.
" Examiner, Public Works Accounts
" Consulting Architect to Government.
" Military Department.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 29th.

Recd. *Encl.*

G.O., 29th April 1891, No. 1183 W.

APRIL.

Military Works Department

Laying down the procedure to be adopted from 1st April 1891 in regard to the provision of funds and adjustment of expenditure incurred by the — on behalf of Provincial funds.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

Resolution of the Government of India in the Public Works Department (Account—Civil Works), dated Calcutta, 18th March 1891, No. 16 B.O./A.—C.W.

Read—

Revised estimate for 1890-91 and budget estimate for 1891-92, Civil Works (Provincial and Incorporated Local).

Read—

* * * * *

Proceedings of the Government of Madras, Nos. 3398 and 3399 W., dated 20th Dec. 1890.
" " " " " 372 and 373 W., " 10th Feb. 1891.
Telegrams, dated 5th and 6th March 1891, from the Government of Madras.

* * * * *

Resolution.—The revised and budget estimates of revenue and expenditure are accepted by the Government of India for the amounts shown in the accompanying statement.

2. The Government of India invites attention to the following remarks regarding the provision for establishment in the estimates of the ensuing year:—

Central Provinces and Burma.—Provision has been made for the full number of Engineers and no reduction made on account of absentees.

Punjab.—The provision for establishment in the Provincial Civil Works estimate represents 31 per cent. on the estimated outlay on works and repairs; this percentage appears undesirably high. The provision for temporary establishment also appears excessive.

3. The columns in the abstracts of revenue and expenditure in the several budget estimates should, in the final issue and in future budget estimates, be arranged in the order shown in Public Works Department form No. 126 (Part III of Form Book).

4. The final issues of the Provincial and Incorporated Local Public Works budget estimates should be prepared for the amounts accepted and despatched,* so as to reach the Government of India not later than the 1st May 1891.

* Ten copies to Simla and 25 to Calcutta.

Order.—Ordered that the foregoing be communicated to the Local Governments and Administrations noted in the margin for information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Agent to the Governor-General, Rajputana.

Ordered, also, that copies be forwarded to the Finance Department and to the Accountant-General, Public Works Department, for information.

(Signed) A. G. BEGBIE, Lieut.-Colonel, R.E.,
Depy. Secy. to the Government of India.

PROVINCIAL. LOCAL.

ENCLOSURE.

XXXII. Revenue.

Civil Works.

Provinces.	PROVINCIAL SERVICES.												INCORPORATED LOCAL FUNDS.											
	ACCOUNTS, 1889-90.			BUDGET ESTIMATE, 1890-91.			REVISED ESTIMATE, 1890-91.			BUDGET ESTIMATE, 1891-92.			ACCOUNTS, 1889-90.			BUDGET ESTIMATE, 1890-91.			REVISED ESTIMATE, 1890-91.			BUDGET ESTIMATE, 1891-92.		
	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.	Public works in charge of departmental officers.	Public works in charge of civil officers.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Madras ..	1,02,633	7,979	1,10,612	1,00,000	15,000	1,15,000	95,000	22,000	1,17,000	1,00,000	7,000	1,07,000	8,917	9,75,432	9,84,349	8,000	9,25,000	9,33,000	3,000	9,70,000	9,73,000	3,000	9,40,000	9,43,000

45. Expenditure.

Civil Works.

Madras ..	22,70,211	1,28,589	23,98,800	28,50,000	3,89,000	32,39,000	26,50,000	1,50,000	28,00,000	35,23,000	8,09,000	43,32,000	87,134	40,03,743	40,90,877	1,13,000	38,90,000	40,03,000	87,000	39,98,000	40,85,000	85,000	40,16,000	41,01,000

From the Examiner, Public Works Accounts, dated 17th April 1891, No. 2297.
" " " " 18th " " " 2321.
" Chief Engineer for Irrigation, " 22nd " " " 114.

ORDER—dated 30th April 1891, No. 1203 W., Public Works.

The revised and budget estimates of revenue and expenditure under Provincial Civil Works for 1890-91 and 1891-92, respectively, as shown in the statement appended to the Resolution of the Government of India above recorded, have been adopted in the final issue of the budget.

2. The revised estimate of charges for 1890-91, as shown in the preliminary budget, amounted to Rs. 28,72,805, but the modifications of grants subsequently sanctioned reduced the estimate to Rs. 26,50,000.

3. The budget estimate of charges for 1891-92 was fixed at Rs. 35,00,000 in the preliminary budget, but the additional grant of Rs. 23,000 sanctioned by the Financial Department for Civil Agency works in the Ganjam district increased the estimate to Rs. 35,23,000.

4. The grant of Rs. 2,120 provided in the preliminary budget for the construction of a police station at Allúr in the Nellore district has been withdrawn in the final issue with reference to G.O., No. 1033 W., dated 13th April 1891.

5. The grant for London supplies has been increased to Rs. 98,603 to cover the cost of indents submitted by the General Superintendent, Public Works Stores.

6. The allotment of Rs. 8,290 provided for the close prison cells in the Central Jail at Salem has been allowed to stand pending receipt of reply from the Judicial Department to para. 2 of G.O., No. 893 W., dated 30th March 1891.

7. The grants for items 81, 82, 83, 104, 105 and 106 have been retained pending a decision by the Revenue Department on the question referred to in endorsement No. 1883 C., dated 4th August 1891.

8. The amount reserved in the budget for incomplete works will, as usual, be distributed on receipt of detailed proposals from Superintending Engineers and the Consulting Architect.

9. The grants for minor works, repairs, and tools and plant have been distributed to divisions in parts II and IV of the budget. The statements of demands to be submitted by Superintending Engineers and the Consulting Architect with reference to para. 1322 of the Public Works Code should therefore be restricted to incomplete works of 1890-91 and to such new works as may be considered urgent.

10. Superintending Engineers and the Consulting Architect should submit, with the least possible delay, plans and estimates for the unsanctioned works for which funds have been provided in the budget.

11. With these remarks the final issue of the Provincial Civil Works budget for 1891-92 will be printed and circulated for the information and guidance of the officers of the department, and 35 copies, as shown in the margin, will be forwarded to the Government of India.

To Simla	10
" Calcutta	25
Total ...	35

(Here enter No. 1204 W., dated 30th April 1891.)

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Financial Department.
" Judicial "
" Ecclesiastical "
" Educational "
" Public "
" Revenue "

Endorsement—dated 30th April 1891, No. 1204 W., Public Works.

Forwarded.

(By Order.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 30th.

Recd. *Encl.*

G.O., 30th April 1891, Nos. 1203, 1204 W.

APRIL.

Provincial Civil Works Budget

Forwarding the — for 1891-92.

FINAL ISSUE.

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

MADRAS.

PUBLIC WORKS DEPARTMENT.

PROVINCIAL SERVICE BUDGET-ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS,

FOR THE YEAR

1891-92.

MADRAS,
30th April 1891.

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secretary to Govt., P.W.D.

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

MADRAS.

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GOVERNMENT OF MADRAS.

BUDGET-ESTIMATE OF PROVINCIAL SERVICES PUBLIC WORKS REVENUE IN MADRAS FOR THE YEAR 1891-92.

BUDGET-ESTIMATE OF THE REVENUE THAT WILL BE REALISED BY, AND ON ACCOUNT OF, PROVINCIAL SERVICES OF THE PUBLIC WORKS DEPARTMENT IN MADRAS FOR THE YEAR FROM 1ST APRIL 1891 TO 31ST MARCH 1892.

—	Actuals, 1889-90.	Budget Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
Realised in the Public Works Department ...	1,02,633	1,00,000	95,000	1,00,000
Total ...	1,02,633	1,00,000	95,000	1,00,000

GOVERNMENT OF MADRAS.

BUDGET-ESTIMATE OF EXPENDITURE ON PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92.

ABSTRACT OF THE ESTIMATED EXPENDITURE FOR PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR FROM 1ST APRIL 1891 TO 31ST MARCH 1892.

—	Actuals, 1889-90.	Budget Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.
Original Works.				
Civil Buildings	9,24,866	16,33,371	13,30,908	22,66,400
Communications	4,30,596	3,27,949	3,46,250	3,43,100
Miscellaneous Public Improvements	17,900	8,680	43,724	3,500
Total ...	13,73,362	19,70,000	17,20,882	26,13,000
Repairs.				
Civil Buildings	1,81,606	1,77,000	2,19,653	2,00,270
Communications	1,34,541	1,09,000	1,35,354	1,06,200
Miscellaneous Public Improvements	12,340	14,000	14,665	13,530
Total ...	3,28 487	3,00,000	3,69,672	3,20,000
Total Works and Repairs.				
Civil Buildings	11,06,472	18,10,371	15,50,561	24,66,670
Communications	5,65,137	4,36,949	4,81,604	4,49,300
Miscellaneous Public Improvements	30,240	22,680	58,389	17,030
Total Works ...	17,01,849	22,70,000	20,90,554	29,33,000
Establishment	5,71,710	5,20,000	5,00,000	4,90,000
Tools and Plant	24,991	60,000	68,046	1,00,000
Stock and Suspense	— 28,428	...	— 8,600	...
Profit and Loss	89	...	...	...
Total ...	22,70,211	28,50,000	26,50,000	35,23,000

ABSTRACT OF THE CHARGES TO BE INCURRED BY THE PUBLIC WORKS DEPARTMENT FROM PROVINCIAL SERVICES AND CONTRIBUTIONS AS DETAILED THEREIN.

—	Budget Estimate, 1890-91.	Revised Estimate, 1890-91.	Budget Estimate, 1891-92.					
			Original Works.	Repairs.	Establishment.	Tools and Plant.	Stock and Suspense.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Provincial Services—								
In India ...	43,94,304	42,60,153	26,13,000	3,20,000	20,87,721	28,066	...	50,48,787
In England ...	56,821	60,821	...	...	...	98,603	...	98,603
Total as above ...	44,51,125	43,20,974	26,13,000	3,20,000	20,87,721	1,26,669	...	51,47,390
Provision from Contributions—								
In India ...	16,01,125	16,70,974	...	...	15,97,721	26,669	...	16,24,390
Total ...	28,50,000	26,50,000	26,13,000	3,20,000	4,90,000	1,00,000	...	35,23,000

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				CIVIL BUILDINGS.	
				Original Works.	
				(a) Major Works.	
6. Administration...	Ganjam ...	Berhampore.	1	Deputy Tahsildar's office	..
	Vizagapatam.	Potinghi ...	2	Do. and Sub-jail.	11,700
	Do. ...	Koraput ..	3	Do.	9,580
	Godávari Eastern.	Rajahmundry.	4	Improvements to building No. 4 in the District Jail in order to convert it into an office for the Sub-Collector.	5,020
	Godávari Western.	Ellore ...	5	Taluk office	...
	Do. ..	Razole ...	6	Deputy Tahsildar's office	10,870
	Kistna Eastern.	Bezváda ...	7	Head Assistant Collector's office ...	...
	Do. ...	Masulipatam.	8	Taluk office	...
	Do. ...	Do ...	9	Record-room in the Collector's office ...	...
	Do. ...	Avanigedda.	10	Deputy Tahsildar's office	...
	Do. ...	Nandigáma.	11	Tahsildar's office	...
	Kistna Western.	Gurugala ...	12	Taluk office	...
	Nellore ...	Atmakúr ...	13	Deputy Collector's office	6,300
	Do. ...	Gúdúr ...	14	Head Assistant Collector's office ...	14,622
	Bellary ...	Hospet ...	15	New Subsidiary jail and improvements to the Taluk office.	9,775
	Do. ...	Hindupur...	16	New Taluk office	...
	Do. ...	Madakasira..	17	Do.	...
	Do. ...	Tádpatri ...	18	Do.	...
	Cuddapah...	Cuddapah ...	19	Combined office for the Tahsildar and Sub-Magistrate.	25,400
	Kurnool ...	Márkápur ...	20	Taluk office	23,398
	Do.	Allagada ..	21	Do.	...
	Coimbatore.	Ootacamund.	22	Additions and improvements to the Government House.	7,79,150
	Do.	Aravakurchi.	23	Deputy Tahsildar's office	9,540
	Do.	Ootacamund	24	Improvements to the Collector's office...	...
	Do.	Tirupatúr ...	25	Taluk office	...
	Do.	Tiruchengód.	26	Do.	...
	West Coast.	Calicut ...	27	Collector's office	1,89,970
	Do.	Perinthalamana.	28	Tahsildar's office	34,070
				Carried over ...	...

OF MADRAS.

A WORKS.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	1,000	10,000		1	Estimate is awaited.
6,531	4,325	850		2	G.O., No. 3321 W., dated 19th October 1888. Item No. 2, Class A Works, Budget of 1890-91.
...	5,000	4,580		3	G.O., No. 2200 W., dated 13th August 1890.
...	...	5,020		4	G.O., No. 668 W., dated 7th March 1889. Item No. 1, Class B Works, Budget of 1890-91.
...	1,291	12,000		5	Estimate is awaited.
...	7,000	3,870		6	G.O., No. 3639 W., dated 21st December 1889. Item No. 2, Class B Works, Budget of 1890-91.
...	620	10,000		7	Estimate is awaited.
...	...	10,000		8	Do.
...	...	10,000		9	Estimate is awaited. Item No. 3, Class B Works, Budget of 1890-91.
...	...	11,690		10	Do.
...	...	5,000		11	Estimate is awaited. Item No. 4, Class B Works, Budget of 1890-91.
...	...	10,000		12	Estimate is awaited.
...	...	6,300		13	G.O., No. 536 W., dated 24th February 1887. Item No. 5, Class B Works, Budget of 1890-91.
...	...	10,000		14	G.O., No. 336 W., dated 13th February 1885. Item No. 6, Class B Works, Budget of 1890-91.
...	6,265	3,510		15	G.O., No. 1847 W., dated 11th July 1889. Item No. 7, Class B Works, Budget of 1890-91.
...	...	10,000		16	Estimate is awaited.
...	...	10,000		17	Do.
...	..	10,000		18	Do.
...	10,000	15,400		19	G.O., No. 715 W., dated 6th March 1890.
...	5,000	10,000		20	G.O., No. 2551 W., dated 26th September 1890.
...	...	10,000		21	Estimated is awaited.
7,12,349	13,500	10,000		22	G.O., No. 2459 W., dated 3rd September 1883. Item No. 12, Class A Works, Budget of 1890-91.
...	8,404	1,136		23	G.O., No. 3287 W., dated 16th October 1888. Item No 9 Class B Works, Budget of 1890-91.
...	...	4,400		24	Estimate is awaited. Item No. 8, Class B Works, Budget of 1890-91.
...	..	10,000		25	Estimate is awaited.
...	...	10,000		26	Do.
55,855	60,500	50,000		27	G.O., No. 1186 W., dated 21st April 1888. Item No. 15, Class A Works, Budget of 1890-91.
...	15,000	15,000		28	G.O., No. 2380 W., dated 12th October 1885. Item No. 10, Class B Works, Budget of 1890-91.
...	...	2,78,756			

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				CIVIL BUILDINGS—*cont.*	
				ORIGINAL WORKS—*cont.*	
				(*a*) *Major Works*—cont.	
6. Administration—*cont.*	West Coast.	Badagara ...	29	Tahsildar's office	31,000
	Do.	Mangalore.	30	Combined office for the Tahsildar and Sub-Magistrate.	...
	Do.	Tangachéri.	31	Sub-Magistrate's office	...
	Do.	Anjengo ...	32	Do.	...
	Do.	Manantoddy.	33	Taluk office	...
	North Arcot.	Vellore ...	34	Constructing a Record-room and improving the Taluk office.	7,495
	Do.	Chandragiri.	35	Taluk office	...
	Do.	Wandiwash.	36	Do.	...
	South Arcot.	Tindivanam.	37	Do.	22,640
	Do.	Tirukoilúr...	38	Do.	20,680
	Do.	Tiruvanná-malai.	39	Do.	...
	South Arcot.	Chidambaram.	40	Taluk office	...
	Do. ...	Munjakuppam.	41	Constructing a room for the Treasury Deputy Collector in the Collector's office.	...
	Tanjore ...	Kumbakónam.	42	Tahsildar's office	21,275
	Do. ...	Do. ...	43	Improving the Taluk office	...
	Trichinopoly.	Jayankonda-cholapuram.	44	Tahsildar's office	...
	Do. ...	Musiri ...	45	Do.	...
	Madura ...	Madura ...	46	Improvements to the Tirumal Naik's palace.	...
	Do. ...	Do. ...	47	Improvements to the Sub-Magistrate's office and Sub-jail.	5,790
	Tinnevelly.	Otapidáram.	48	Subsidiary jail and out-houses to the Tahsildar's office.	6,510
	Architect ...	Madras ...	49	Constructing quarters for the Bandsmen of His Excellency the Governor.	...
	Do. ...	Do. ...	50	Constructing a new building for the Stamp office.	...
	Do. ...	Do. ...	51	Constructing permanent roof to the verandah of the Banqueting Hall, Government House.	...
7. Minor Departments.	Do. ...	Do. ...	52	Enclosing a piece of ground round the Munro's statue.	4,595
8. Law and Justice.	Ganjam ...	Aska ...	53	District Munsif's court.	11,400
	Godávari Western.	Tanuku ...	54	Do.	18,440
				Carried over ...	

OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	2,78,756			
...	17,000	10,000		29	G.O., No. 2380 W., dated 12th October 1885. Item No. 17, Class A Works, Budget of 1890-91.
5,000	...	10,000		30	Estimate is awaited. Item No. 16, Class A Works, Budget of 1890-91.
...	...	10,000		31	Estimate is awaited.
...	...	10,000		32	Do.
...	...	10,000		33	Do.
...	...	7,495		34	G.O., No. 3367 W., dated 17th December 1890.
...	...	10,000		35	Do.
...	...	10,000		36	Do.
...	7,000	15,640		37	G.O., No. 770 W., dated 7th March 1888. Item No. 21, Class A Works, Budget of 1890-91.
...	9,000	11,680		38	G.O., No. 770 W., dated 7th March 1888. Item No. 20, Class A Works, Budget of 1890-91.
...	...	10,000		39	Estimate is awaited.
...	5,000	5,000		40	Do.
...	...	4,000		41	Do.
3,425	5,000	12,850		42	G.O., No. 1103 W., dated 14th April 1890. Item No. 22, Class A Works, Budget of 1890-91.
...	...	3,160		43	Estimate is awaited.
...	...	10,000		44	Do.
...	...	10,000		45	Do.
...	500	26,000		46	Estimate is awaited. Item No. 26, Class A Works, Budget of 1890-91.
...	2,000	3,790		47	G.O., No. 12 W., dated 5th January 1891.
...	...	6,510		48	G.O., No. 177 W., dated 21st January 1887. Item No. 16, Class B Works, Budget of 1890-91.
...	...	10,000		49	Estimate is awaited. Item No. 17, Class B Works, Budget of 1890-91.
...	...	25,000		50	Estimate is awaited.
...	...	12,000		51	Do.
			5,21,881		
...	...	4,595	4,595	52	G.O., No. 1016 W., dated 19th April 1886. Item No. 18, Class B Works, Budget of 1890-91.
277	3,600	8,853		53	G.O., No. 2388 W., dated 29th August 1889. Item No. 29, Class A Works, Budget of 1890-91.
...	...	10,000		54	G.O., No. 91 W., dated 14th January 1890.
...	...	18,853	5,26,476		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				CIVIL BUILDINGS—*cont.*	
				Original Works—*cont.*	
				(*a*) *Major Works*—cont.	
8. Law and Justice —*cont.*	Godávari Western.	Amalápuram.	55	District Munsif's court	13,800
	Cuddapah ...	Proddutur.	56	Do.	12,798
	Kurnool ...	Márkápur ...	57	Do.	15,800
	West Coast.	Chávakád ...	58	Do.	19,245
	Do. ...	Manjeri (Ernád)	59	Do.	15,087
	Do. ...	Karkul ...	60	Do.	...
	North Arcot.	Tirupati ...	61	Do.	17,650
	South Arcot.	Tirukoilúr...	62	Do.	15,050
	Chingleput.	Chingleput.	63	Constructing a bar-room in the District Court.	3,220
	Madura ...	Paramakudi.	64	District Munsif's court	14,055
	Tinnevelly.	Srívaikuntham.	65	Improvements to the District Munsif's court.	5,660
	Architect ...	Madras ...	66	Constructing new buildings for the High Court.	9,97,069
	Do. ...	Do. ...	67	Providing chambers for Barristers at the High Court.	...
10. Jails ...	Godávari Eastern.	Rajahmundry.	68	Constructing a quarantine ward in the Central jail.	9,650
	Do. ...	Do. ...	69	Constructing a close prison in the Central jail.	29,260
	Cuddapah ...	Cuddapah ...	70	Additions and alterations to the District jail.	73,295
	West Coast.	Cannanore...	71	Constructing fifty close prison cells in the Central jail.	26,080
	Do. ...	Do. ...	72	Constructing a circular kitchen in the Central jail.	...
	Coimbatore.	Salem ...	73	Constructing fifty close prison cells in the Central jail.	13,290
	Do. ...	Do. ...	74	Quarantine shed for females, hospital for warders, and Deputy Chief Warder's quarters.	4,010
	Tanjore ...	Tanjore ...	75	Constructing huts for 18 warders at the District jail.	...
	Architect ...	Madras ...	76	Constructing out-offices to hospital, bath-room, store-room, and dead-house at the Penitentiary.	...
	Do. ...	Do. ...	77	Constructing quarantine wards and out-offices at the Penitentiary.	...
				Carried over ...	

OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
		18,853	5,26,476		
2,659	4,418	6,723		55	G.O., No. 2705 W., dated 26th September 1889. Item No. 31, Class A Works, Budget of 1890-91.
...	6,000	6,798		56	G O., No. 877 W., dated 17th March 1890.
...	..	12,800		57	G.O., No. 241 W., dated 26th January 1891.
2,500	11,000	5,700		58	G O., No. 988 W., dated 27th March 1888. Item No. 35, Class A Works, Budget of 1890-91.
...	10,000	5,000		59	G.O., No. 1267 W., dated 13th May 1889. Item No. 36, Class A Works, Budget of 1890-91.
...	...	10,000		60	Estimate is awaited.
316	1,000	10,000		61	G.O., No. 2485 W., dated 17th September 1890.
...	...	10,000		62	G.O., No 2660 W. dated 10th October 1890, and No. 603 W., dated 3rd March 1891.
...	...	3,220		63	G.O., No. 2516 W., dated 23rd September 1887.
...	8,000	6,055		64	G O., No. 1449 W., dated 23rd May 1890. Item No 41, Class A Works, Budget of 1890-91.
...	...	5,660		65	G.O., No. 66 W., dated 8th January 1891.
4,52,159	2,64,085	2,80,825		66	G.O., No. 2489 W., dated 17th September 1890, and No. 769 W., drted 17th March 1891, Item No. 44, Class A Works, Budget of 1890-91.
...	...	1,38,000	5,19,634	67	Estimate is awaited.
...	6,500	3,150		68	G.O., No. 1084 W., dated 24th April 1889. Item No. 45, Class A Works, Budget of 1890-91.
...	16,500	12,760		69	G.O., No. 1851 W., dated 7th July 1890.
35,171	22,000	16,124		70	G.O., No. 1663 W., dated 16th June 1890. Item No. 46, Class A Works, Budget of 1890-91.
...	20,000	6,080		71	G.O., No. 2058 W., dated 31st July 1889. Item No. 47, Class A Works, Budget of 1890-91.
...	...	4,000		72	Estimate is awaited.
...	...	8,290		73	G.Os., No. 1440 W., dated 31st May 1889, and No. 2381 W., dated 4th September 1890. Item No. 48, Class A Works, Budget of 1890-91.
...	...	4,010		74	G.O., No. 3641 W., dated 21st December 1889.
...	...	4,000		75	Estimate is awaited.
...	...	6,000		76	Do.
...	...	12,000	76,414	77	Do.
			11,22,524		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				CIVIL BUILDINGS—*cont.*	
				Original Works—*cont.*	
				(*a*) *Major Works*—cont.	
11. Police	Vizagapatam	Párvatipur.	78	Constructing 55 huts for the Reserve police.	12,150
	Bellary ...	Anantapur.	79	Police hospital	6,075
	West Coast.	Cochin	80	Fourteen police huts	...
	Tanjore ...	Máyavaram.	81	Ten police huts at Nandalár chowky.	3,945
	Do. ...	Sannamangalam.	82	Eleven police huts	3,585
	Do. ...	Velangudi	83	Nine police huts	3,130
				(*b*) *Minor Works.*	
	Vizagapatam.	Jeypore ...	84	A stable and well in the compound of the Assistant Superintendent's bungalow.	1,330
	Godávari Western.	Tallapudi ..	85	Constructing a second-class police station-house.	2,360
	Kistna Eastern.	Masulipatam.	86	Improvements to the police guard-house in the compound of the Collector's office	...
	Kistna ...	Kommalapad	87	Five police huts	...
	Nellore ...	Náyudupet.	88	Eight police huts	2,490
	Do. ...	Thettu ...	89	Police huts	1,350
	Do. ...	Gúdúr ...	90	Police station	2,130
	Do. ...	Rayavaram.	91	Do.	1,010
	Coimbatore.	Shevapet ...	92	Second-class police station	...
	Do. ..	Dharmapuri.	93	Second-class police station	2,080
	West Coast.	Pondicode ...	94	Third-class police station	...
	Do. ...	Calicut ...	95	Constructing a magazine and dead-house.	...
	West Coast.	Manantoddy.	96	Re-roofing the chief head constable's and Inspector's quarters.	...
	Do. ..	Parli ...	97	Police station	...
	North Arcot.	Puthur ...	98	Second-class police station	...
	Do. ...	Do. ...	99	Ten police huts	...
	Do. ...	Chirtanur ...	100	Second-class police station	...
	South Arcot.	Pudupalayam.	101	First-class police station	...
	Do. ...	Panruti ...	102	Do. do.	...
				Carried over ...	...

OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	...	11,22,524		
...	5,000	7,150		78	G.O., No. 1399 W., dated 27th May 1889. Item No. 50, Class B Works, Budget of 1890-91.
...	...	6,075		79	G.O., No. 3880 W., dated 10th December 1888. Item No. 23, Class B Works, Budget of 1890-91.
...	...	2,000		80	Estimate is awaited.
227	...	3,718		81	G.O., No. 2344 W., dated 9th October 1885. Item No. 26, Class B Works, Budget of 1890-91.
19	...	3,566		82	G.O., No. 2344 W., dated 9th October 1885. Item No. 27, Class B Works, Budget of 1890-91.
67	...	3,063		83	G.O., No. 2344 W., dated 9th October 1885. Item No. 28, Class B Works, Budget of 1890-91.
...	...	1,330		84	Estimate sanctioned by the Superintending Engineer.
...	...	2,360		85	Sanctioned by the Superintending Engineer. Item No. 30, Class B Works, Budget of 1890-91.
...	...	920		86	Sanction to estimate is awaited.
...	...	1,900		87	Do.
...	...	2,490		88	G.O., No. 419 W., dated 6th February 1888. Item No. 31, Class B Works, Budget of 1890-91.
...	...	1,350		89	G.O., No. 1834 W., dated 19th July 1886. Item No. 32, Class B Works, Budget of 1890-91.
...	...	2,130		90	Sanctioned by the Superintending Engineer.
...	...	1,010		91	Do. do.
...	890	1,110		92	Sanction to estimate is awaited. Item No. 36, Class B Works, Budget of 1890-91.
...	...	2,080		93	Sanctioned by the Superintending Engineer.
...	...	1,295		94	Sanction to estimate is awaited. Item No. 34, Class B Works, Budget of 1890-91.
...	...	2,000		95	Do. do.
...	...	2,000		96	Sanction to estimate is awaited. Item No. 34, Class B Works, Budget of 1890-91.
...	...	1,100		97	Do. do.
...	...	1,500		98	Sanction to estimate is awaited.
...	...	2,500		99	Do.
...	...	1,500		100	Do.
...	...	2,000		101	Do.
...	...	2,000		102	Do.
...	...	58,447	11,22,524		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				CIVIL BUILDINGS—*cont.*	
				ORIGINAL WORKS—*cont.*	
				(*b*) *Minor Works*—cont.	
11. Police—*cont.*	Tanjore ...	Nannilam ...	103	Seven police huts at Alathur ...	2,340
	Do. ...	Do. ...	104	Five police huts at Kovilkandangudi .	1,690
	Do. ...	Do. ...	105	Five police huts at Seshumalai ...	1,756
	Madura ...	Periyakulam.	106	Second-class police station	2,040
	Do. ...	Appanoor ..	107	Third-class police station	...
	Do. ...	Do. ...	108	Six police huts	...
	Do. ..	Nellakóta	109	Second-class police station	...
	Do. ...	Parapathi	110	Six police huts	...
	Do. ...	Do ..	111	Third-class police station	...
	Tinnevelly.	Eppothuvendan.	112	Four police huts	1,360
				(*a*) *Major Works.*	
12. Educational ...	Godávari Eastern.	Bhadráchalam.	113	School-house	6,000
	Architect ..	Madras ...	114	School-house for the Madrasa-i-Azam.	...
	Do ...	Do. ...	115	Workshop for the students of the College of Engineering.	...
	Do. ..	Do. ...	116	Extension to the Presidency College...	...
	Do. ...	Do. ...	117	Constructing a Technical Institute and Public Library.	3,56,255
	Do. ..	Do. ...	118	Constructing a macerating room at the Medical College	...
	Do. ...	Do. ...	119	Providing verandahs to the upper and ground floor of the office of the Director of Public Instruction.	...
	Do. ...	Do. ...	120	Hygiene laboratory at the Medical College.	...
	Do. ..	Do. ...	121	Constructing rooms for the Assistant Professor on the upper-story of the Medical College.	...
	Do. ...	Do. ...	122	Providing latrine accommodation for students at the Medical College.	7,125
13. Medical ...	Architect ...	Madras ...	123	Improvements to the Resident Surgeon's quarters at the General Hospital.	...
				Carried over ...	...

OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Outlay. Actual to end of 1889-90.	Outlay. Probable during 1890-91.	Grant, 1891-92. Amount.	Grant, 1891-92. Total.	Item No.	Remarks and References.
Rs.	Rs.	Rs.	Rs.		
...	...	58,447	11,22,524		
...	...	2,340		103	G.O., No. 2344 W., dated 9th October 1885. Item No. 37, Class B Works, Budget of 1890-91.
99	...	1,591		104	G.O., No. 2344 W., dated 9th October 1885. Item No. 38, Class B Works, Budget of 1890-91.
28	...	1,728		105	G.O., No. 2344 W., dated 9th October 1885. Item No. 39, Class B Works, Budget of 1890-91.
...	750	1,290		106	Sanctioned by Superintending Engineer. Item No. 40, Class B Works, Budget of 1890-91.
...	...	1,500		107	Sanction to estimate is awaited.
...	...	1,500		108	Do.
...	...	1,846		109	Do.
...	...	1,500		110	Do.
...	...	1,092		111	Do.
...	...	1,360		112	G.O., No. 1185 W., dated 11th May 1886. Item No. 44, Class B Works, Budget of 1890-91.
			74,194		
...	1,500	4,500		113	G.O., No. 1561 W., dated 6th June 1890. Item No. 47, Class B Works, Budget of 1890-91.
...	...	25,000		114	Estimate is awaited. Item No. 49, Class B Works, Budget of 1890-91.
...	...	30,000		115	Estimate is awaited. Item No. 49, Class B Works Budget of 1890-91.
...	...	12,000		116	Estimate is awaited. Item No. 50, Class B Works, Budget of 1890-91.
...	80,000	2,00,000		117	G.O., No. 1264 W., dated 2nd May 1890 and No. 3239 W., dated 6th December 1890. Item No. 65, Class A Works, Budget of 1890-91.
...	...	5,000		118	Estimate is awaited.
...	...	15,000		119	Do.
...	...	10,000		120	Estimate is awaited. Item No. 64, Class A Works, Budget of 1890-91.
...	...	5,000		121	Do. do.
...	4,450	2,675		122	G.O., No. 2956 W., dated 8th November 1890.
			3,09,175		
...	...	5,000		123	Estimate is awaited.
...	...	5,000	15,05,893		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				CIVIL BUILDINGS—*cont.*	
				Original Works—*cont.*	
				(*a*) *Major Works*—cont.	
13. Medical—*cont.*	Architect ...	Madras ...	124	Constructing 50 huts for the native keepers at the Lunatic Asylum.	...
	Do. ...	Do. ...	125	Constructing an enclosure to accommodate 366 criminal lunatics at the Lunatic Asylum.	...
	Do. ...	Do. ...	126	Additions and improvements to the out-patients' room and upper-story for students at the General Hospital.	...
	Do. ...	Do. ...	127	New Women's and Children's Hospital.	...
	Do.	Do.	128	Rest-shed for out-patients at the General Hospital.	...
	Do. ...	Do. ...	129	Constructing a second story over the west block at the General Hospital.	...
14. (*a*) Customs ...	Do. ...	Do. ...	130	Enlargement of the Sea-Custom House.	13,645
16. Miscellaneous.	Ganjam ...	Chatrapur...	131	Residence for the Collector	25,660
	Godávari Eastern.	Prattipad ...	132	Sub-Registrar's office	3,400
	Godávari Western.	Amalápuram.	133	Do.	2,600
	Kistna Eastern.	Bezváda ...	134	Head Assistant Collector's residence ...	...
	Do.	Avanigedda.	135	Sub-Registrar's office	3,400
	Bellary ...	Anantapur.	136	Residence for the District Surgeon ...	11,435
	Cuddapah...	Sidhout ...	137	Sub-Registrar's office	2,650
	Do. ..	Kadiri ..	138	Do.	2,608
	Do. ...	Jammalmadugu.	139	Do.	2,509
	Do. ...	Madanapalle.	140	Do.	2,680
	Kurnool ...	Giddalur ...	141	Do.	2,761
	Do. ...	Márkápur ...	142	Do.	2,828
	Do. ...	Nandyál ...	143	Residence for the Head Assistant Collector.	...
	Coimbatore.	Thathaiyanpett.	144	Sub-Registrar's office	2,770
	Do. ...	Kodumudi.	145	Do.	...
	Do. ...	Mettupálaiyam.	146	Do.	...
	West Coast.	Manantoddy	147	Sub-Registrar's office	7,610
				Carried over ...	...

OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	5,000	15,05,893		
...	...	12,417		124	Estimate is awaited. Item No. 52, Class B Works, Budget of 1890-91.
...	...	30,000		125	Do. do.
...	...	10,000		126	Estimate is awaited.
...	...	2,00,000		127	Do.
...	...	3,500		128	Do.
...	...	35,000	2,95,917	129	Do.
...	10,000	3,645	3,645	130	G.O., No. 3072 W., dated 18th November 1890.
...	...	10,000		131	G.O., No. 3318 W., dated 13th December 1890. Item No. 74, Class A Works, Budget of 1890-91.
...	...	2,400		132	G.O., No. 796 W., dated 18th March 1888. Item No. 54, Class B Works, Budget of 1890-91.
...	...	3,000		133	G.O., No. 352 W., dated 1st February 1883. Item No. 76, Class A Works, Budget of 1890-91. Revised estimate on the new standard design is awaited.
...	...	10,000		134	Estimate is awaited.
...	1,000	2,400		135	G.O., No. 3133 W., dated 25th November 1890.
...	1,000	7,435		136	G.O., No. 48 W., dated 6th January 1891.
...	1,358	1,292		137	G.O., No. 11 W., dated 5th January 1891.
...	...	2,608		138	Do. do.
...	1,000	1,509		139	Do. do.
...	...	2,680		140	Do. do.
...	...	2,761		141	G.O., No. 3827 W., dated 5th December 1888. Item No. 55, Class B Works, Budget of 1890-91.
...	...	2,828		142	G.O., No. 3825 W., dated 5th December 1888. Item No. 56, Class B Works, Budget of 1890-91.
436	...	5,060		143	Estimate is awaited.
...	1,000	1,770		144	G.O., No. 198 W., dated 25th January 1887. Item No. 61, Class B Works, Budget of 1890-91.
...	...	2,750		145	Estimate is awaited.
...	...	2,750		146	Do.
...	...	3,000		147	G.O., No. 846 W., dated 23rd March 1891. Item No. 58, Class B Works, Budget of 1890-91.
...	...	64,183	18,05,455		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				CIVIL BUILDINGS—*cont.*	
				ORIGINAL WORKS—*cont.*	
				(*a*) *Major Works*—cont.	
16. Miscellaneous—*cont.*	West Coast.	Vayitri ..	148	Sub-Registrar's office	...
	Do. ...	Kásaragód.	149	Do.	3,970
	Do. ...	Naduvanur.	150	Do.	...
	Do. ...	Panur ...	151	Do.	2,950
	Do. ...	Malaparam.	152	Improvements to the Special Assistant Collector's quarters.	5,070
	North Arcot.	Ambur ...	153	Sub-Registrar's office	4,000
	Chingleput.	Ponnéri ...	154	Do.	2,765
	Do. ...	Sattiavedu.	155	Do.	...
	Tanjore ...	Tumkkattu-palli.	156	Do.	...
	Do. ...	Tiruppundi.	157	Do.	...
	Do. ...	Peralam ...	158	Do.	...
	Negapatam.	Mannárgudi.	159	Sub-divisional officer's bungalow, office and out-houses.	6,375
	Madura ..	Paramákudi.	160	Sub-Registrar's office	3,220
	Do. ...	Devakóta ...	161	Do.	3,130
	Do. ...	Mutukala-thur.	162	Do.	3,750
	Tinnevelly.	Kaitar ..	163	Do.	...
				(*b*) *Minor Works.*	
	Vizagapatam	Anakápalle.	164	Sub-Registrar's office	2,000
	Bellary ...	Tadpatri ...	165	Do.	2,354
	Coimbatore.	Athur ...	166	Do.	2,725
	Do. ...	Palladam ...	167	Do.	2,430
	Do. ...	Gúdalúr ...	168	Do.	...
	West Coast.	Pondicode...	169	Do.	...
	Chingleput.	Sríperum-budur.	170	Do.	2,290
				Minor works	...
				Reserve with the Government for incomplete works.	...
				Total, Civil Buildings ..	...

OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	64,183	18,05,455		
...	...	3,000		148	Estimate is awaited.
...	...	3,000		149	G.O., No. 1874 W., dated 13th July 1889. Item No. 59, Class B Works, Budget of 1890-91.
...	...	3,000		150	Estimate is awaited.
...	...	2,950		151	G.O., No. 2363 W., dated 3rd September 1890.
...	...	5,070		152	G.O., No. 622 W., dated 5th March 1891.
...	1,000	3,000		153	G.O., No. 1012 W., dated 31st March 1890.
...	...	2,765		154	G.O., No. 2236 W., dated 18th August 1890.
...	...	2,750		155	Estimate is awaited.
...	...	2,700		156	Do.
...	...	2,700		157	Do.
...	...	2,700		158	Do.
...	4,000	2,375		159	G.O., No. 795 W., dated 24th March 1886, and G.O., No. 2894 W., dated 3rd November 1890. Item No. 63, Class B Works, Budget of 1890-91.
...	875	2,435		160	G.O., No. 1859 W., dated 12th July 1889. Item No. 64, Class B Works, Budget of 1890-91.
...	875	2,255		161	G.O., No. 2178 W., dated 11th August 1890. Item No. 65, Class B Works, Budget of 1890-91.
...	2,000	1,750		162	G.O., No. 2348 W., dated 26th August 1889. Item No. 66, Class B Works, Budget of 1890-91.
...	...	2,700		163	Estimate is awaited.
...	...	2,000		164	G.O., No. 2657 W., dated 12th October 1882. Item No. 67, Class B Works, Budget of 1890-91.
...	...	2,354		165	Sanctioned by the Superintending Engineer. Item No. 68, Class B Works, Budget of 1890-91.
...	1,000	1,725		166	Sanctioned by the Superintending Engineer.
...	...	2,430		167	Do. do.
...	...	2,430		168	Sanction to estimate is awaited.
...	...	2,000		169	Do. do.
...	...	2,290		170	Sanctioned by the Superintending Engineer.
			1,24,562		
...	...	...	84,097		
...	...	...	2,52,286		
			22,66,400		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	
				COMMUNICATIONS.	
				(a) *Major Works.*	
1. Metalled roads, raised and bridged.	Ganjam ...	...	171	Remaking the Heramandalam-Battili road from the 8th to the 18th mile.	11,520
	Do. ...	...	172	Constructing road from Kallikota to Boirani *viâ* Atagada.	...
	Do. ...	...	173	Constructing road from Tekali to Anantagiri.	23,500
	Do. ...	...	174	Constructing road from Itchapur to Jarada.	...
	Vizagapatam	...	175	Constructing a road from Potinghi to Koraput.	2,80,205
	Coimbatore.	...	176	Constructing a road from Vayitri to Gúdalúr.	5,50,000
	Do. ...	...	177	Reconstructing the Farewell bridge at the 14th mile on the Ootacamund-Kullar road.	18,100
	Madura ...	Uttrama-palayam.	178	Constructing a bridge on the road from Periyakulam to Cumbum.	36,840
	Do. ...	Veerapaudi.	179	Do. do. ...	31,900
				Minor works	...
				Total, Communications ...	...
				Miscellaneous Public Improvements, Minor works.	...
				Total, Miscellaneous Public Improvements.	...
				Grand Total, Original Works ...	...

OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Outlay.		Grant, 1891-92.		Item No.	Remarks and References.
Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	...	22,66,400		
4,710	...	5,000		171	G.O., No. 2070 W., dated 30th July 1890.
6,521	...	25,000		172	Estimate is awaited.
9,964	...	10,000		173	G.O., No. 2076 W., dated 31st July 1890.
5,510	...	10,000		174	Estimate is awaited.
1,85,591	51,500	40,000		175	G.O., No. 3162 W., dated 7th November 1889, and No. 675 W., dated 9th March 1891. Item No. 96, Class A Works, Budget of 1890-91.
1,73,552	1,81,000	2,00,000		176	G.O., No. 1492 W., dated 6th June 1889. Item No. 98, Class A Works, Budget of 1890-91.
...	5,000	8,100		177	G.O., No. 3026 W., dated 14th November 1890. Item No. 99, Class A Works, Budget of 1890-91.
...	...	18,000		178	G.O., No. 135 W., dated 16th January 1891.
...	...	18,000		179	G.O., No. 135 W., dated 16th January 1891.
...	...	9,000			
...	...	...	3,43,100		
...	...	3,500	...		
...	...	...	3,500		
...	...	...	26,13,000		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.
				CIVIL BUILDINGS.
				(*a*) Major Works.
13. Medical ...	West Coast.	Calicut ...	1	Providing additional accommodation to the Lunatic Asylum.
				(*b*) Minor Works.
16. Miscellaneous ...	Trichinopoly.	Musiri ...	2	Sub-Registrar's office ... ...

OF MADRAS.

B WORKS.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92.

Amount of Estimate.	Outlay.		Amount applied for 1891-92.		Item No.	Remarks and References.
	Actual to end of 1889-90.	Probable during 1890-91.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
10,346	...	...	5,000	5,000	1	G.O., No. 2876 W., dated 18th November 1884. The work has been superseded by one of small estimate (*vide* G.O., No. 33 W., dated 6th January 1886).
2,360	...	...	2,360	2,360	2	Sanctioned by the Superintending Engineer.

GOVERNMENT OF MADRAS.

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF MINOR ORIGINAL WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92.

Head of Classification.	Executive Division.	Locality.	Items.	Estimate, 1891-92. Amount.	Estimate, 1891-92. Total.	Estimate, 1890-91. Amount.	Estimate, 1890-91. Total.
				Rs.	Rs.	Rs.	Rs.
			Civil Buildings.				
	Ganjam ...	...	Minor works	2,000			
	Vizagapatam.	...	Do.	1,100			
	Godávari Eastern.	...	Do.	500			
	Godávari Western.	...	Do.	200			
	Kistna Eastern.	...	Do.	2,500			
	Kistna Western.	...	Do.	...			
	Nellore ...	...	Do.	1,300			
	Bellary ...	...	Do.	2,000			
	Cuddapah ...	...	Do.	500			
	Kurnool ...	...	Do.	200			
	Coimbatore ...	...	Do.	16,000			
	West Coast ...	...	Do.	13,250			
	North Arcot ...	...	Do.	2,000			
	South Arcot ...	...	Do.	500			
	Chingleput ...	...	Do.	6,000			
	Public Works Workshops.	...	Do.	1,000			
	Public Works Stores.	...	Do.	500			
	Tanjore ...	...	Do.	1,750			
	Negapatam ...	...	Do.	1,000			
	Trichinopoly...	...	Do.	500			
	Madura ...	...	Do.	2,979			
	Tinnevelly ...	...	Do.	2,500			
	Architect ...	...	Do.	25,818			
			Total, Civil Buildings.	...	84,097	...	68,846
			Communications.				
	Ganjam ...	...	Minor works	3,000			
	Coimbatore ...	...	Do.	3,000			
	West Coast ...	...	Do.	3,000			
			Total, Communications.	...	9,000	...	3,000
			Miscellaneous Public Improvements.				
	Coimbatore ...	...	Minor works	1,000			
	Architect ...	...	Do.	2,500			
			Total, Miscellaneous Public Improvements.	...	3,500	...	1,000
			Grand Total, Minor Works	...	96,597	...	72,846

GOVERNMENT OF MADRAS.

PART II—continued.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS OF PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92.

Head of Classification.	Executive Division.	Locality.	Items.	Estimate, 1891-92. Amount.	Estimate, 1891-92. Total.	Estimate, 1890-91. Amount.	Estimate, 1890-91. Total.
				Rs.	Rs.	Rs.	Rs.
			Civil Buildings.				
	Ganjam ...	...	Annual repairs	5,000			
	Vizagapatam.	...	Do.	5,000			
	Godávari Eastern.	...	Do.	4,000			
	Godávari Western.	...	Do.	1,000			
	Kistna Eastern.	...	Do.	7,000			
	Kistna Western.	...	Do.	500			
	Nellore ...	...	Do.	2,000			
	Bellary ...	...	Do.	2,000			
	Cuddapah ...	...	Do.	2,000			
	Kurnool ...	...	Do.	3,000			
	Coimbatore ...	...	Do.	23,000			
	West Coast ...	...	Do.	8,000			
	North Arcot...	...	Do.	5,000			
	South Arcot ...	...	Do.	1,560			
	Chingleput ..	...	Do.	15,000			
	Public Works Workshops.	...	Do.	1,500			
	Public Works Stores.	...	Do.	500			
	Tanjore ...	...	Do.	8,000			
	Negapatam ..	...	Do.	1,200			
	Trichinopoly.	...	Do.	1,000			
	Madura ...	...	Do.	2,000			
	Tinnevelly ...	...	Do.	1,500			
	Architect ...	...	Do.	64,926			
	Reserve with the Government for the conservation of Archæological works.	...	Do.	3,300			
	Reserve with the Government.	...	Do.	32,284			
			Total, Civil Buildings.	...	2,00,270	...	1,77,000
			Communications.				
	Ganjam ...	...	Annual repairs	20,000			
	Vizagapatam.	...	Do.	12,000			
	Bellary ...	...	Do.	4,700			
	Coimbatore ...	...	Do.	30,000			
	West Coast ...	...	Do.	26,000			
	Architect ...	...	Do.	13,500			
			Total, Communications.	...	1,06,200	...	1,09,000

GOVERNMENT OF MADRAS.

PART II—continued.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS OF PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92—continued.

Head of Classification.	Executive Division.	Locality.	Items.	Estimate, 1891-92. Amount.	Estimate, 1891-92. Total.	Estimate, 1890-91. Amount.	Estimate, 1890-91. Total.
				Rs.	Rs.	Rs.	Rs.
			Miscellaneous Public Improvements.				
	Godávari Eastern.	...	Annual repairs ...	300			
	Kistna Eastern.	...	Do.	500			
	Coimbatore ...	...	Do.	1,000			
	Architect ...	...	Do.	11,730			
			Total, Miscellaneous Public Improvements.	...	13,530	...	14,000
			Total, Repairs ...	...	3,20,000	...	3,00,000

GOVERNMENT OF MADRAS.

PART III.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT UNDER PROVINCIAL SERVICES IN THE MADRAS PRESIDENCY FOR 1891-92.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
		EXECUTIVE BRANCH.	Rs.	Rs.	Rs.	Rs.	Rs.	
		Engineer Establishment.						
		Chief Engineers.						
1	1	Chief Engineer, 1st Class, and Secretary to Government, Public Works Department.	2,500	2,500				
1	1	Chief Engineer, 2nd Class, and Joint Secretary to Government, Irrigation Branch.	2,000	2,000				
1	...	Chief Engineer, 2nd Class, for 5 months.	2,000	...				
		Military pay and allowances.	...	243½				
3	2	Total, Chief Engineers ...	...	4,743½	56,922	...	67,727	
		Superintending Engineers.						
3	2	Superintending Engineers, 1st Class.	1,600	3,200				
2	3*	Superintending Engineers, 2nd Class.	1,350	4,050				* Includes provision for Mr. Irwin, Consulting Architect to Government.
2	2	Superintending Engineers, 3rd Class.	1,100	2,200				
		Military pay and allowances	...	1,281				
7	7	Total, Superintending Engineers.	...	10,731	1,28,772	...	...	
1	...	Add pay of one Superintending Engineer for 7 months.	1,350	...				
8	7	Total, Superintending Engineers.	...	...	1,28,772	...	1,40,534	
		Executive Engineers.						
11	11	Executive Engineers, 1st Grade.	950	10,450				
10	10	Executive Engineers, 2nd Grade.	800	8,000				
12	12	Executive Engineers, 3rd Grade.	700	8,400				
5	5	Executive Engineers, 4th Grade.	600	3,000				
		Carried over ...	...	29,850	1,85,694	...	2,08,261	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	29,850	1,85,694	...	2,08,261	
		EXECUTIVE BRANCH —cont.						
		ENGINEER ESTABLISHMENT —cont.						
		Executive Engineers—cont.						
		Add one Executive Engineer, 3rd Grade.	700	700				
		Military pay and allowances, inclusive of the higher rate of pay granted to Colonel Ross Thompson, R.E.	...	1,967½				
38	38	Total, Executive Engineers.	...	32,517½	3,90,210	...	3,72,900	
		Assistant Engineers.						
31	31	Assistant Engineers, 1st Grade.	500	15,500				
6	6	Assistant Engineers, 2nd Grade.	350 & 250	1,900				
		Military pay and allowances.	...	190				
37	37	Total, Assistant Engineers.	...	17,590	2,11,080	...	2,11,392	
86	84	Total, Engineer Establishment.	...	...	7,86,984	...	7,92,553	
		Deduct— On account of absentees.	...	...	1,18,595	...	1,15,000	
		Net Total, Engineer Establishment.	...	...	...	6,68,389	6,77,553	
		UPPER SUBORDINATE ESTABLISHMENT.						
		Sub-Engineers.						
9	9	Sub-Engineers, 1st Grade...	400	3,600				
8	8	Do. 2nd „ ...	300	2,400				
17	17	Do. 3rd „ ...	250	4,250				
		Military pay and allowances, including additional pay sanctioned for Messrs. Ottmann, Baker and Ellis.	...	585				
34	34	Total, Sub-Engineers ...	...	10,835	1,30,020	...	1,28,760	
		Carried over ...	...	...	1,30,020	...	1,28,760	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,30,020	...	1,28,760	
		EXECUTIVE BRANCH—*cont.*						
		Upper Subordinate Establishment—*cont.*						
		Supervisors.						
21	21	Supervisors, 1st Grade ...	200	4,200	...	...	...	
35	35	Do. 2nd „ ...	150	5,250	...	...	...	
		Military pay and allowances.	...	268	...	...	...	
56	56	Total, Supervisors ...	...	9,718	1,16,616	...	1,15,752	
		Overseers.						
42	42	Overseers, 1st Grade ...	100	4,200	...	...	...	
27	26	Do. 2nd „ ...	80	2,080	...	...	...	
20	20	Do. 3rd „ ...	60	1,200	...	...	...	
		Military pay and allowances.	...	355	...	...	...	
89	88	Total, Overseers ...	...	7,835	94,020	...	97,116	
		Apprentices.						
1	...	Apprentice Overseer, 1st Grade.	50	...	...	...	600	
		Sub-divisional allowance to 55 Upper Subordinates.	30	1,650	19,800	...	13,680	
		Maintenance allowance of students of Civil Engineering College during practical year of training.	...	425	5,100	...	5,100	
180	178	Total, Upper Subordinate Establishment.	...	...	3,65,556	...	3,61,008	
		Deduct on account of absentees.	...	...	20,000	...	20,000	
		Net Total, Upper Subordinate Establishment.	...	...	...	3,45,556	3,41,008	
		Lower Subordinate Establishment.						
13	16	Sub-Overseers, 1st Grade ...	50 & 60	820	...	...	...	
10	11	Do. 2nd „ ...	35 & 40	395	...	...	...	
8	8	Do. 3rd „ ...	25 & 30	205	...	...	...	
31	35	Total, Lower Subordinate Establishment.	...	1,420	17,040	...	14,520	
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	...	...	...	
		EXECUTIVE BRANCH —*cont.*						
		Petty Establishment.						
		Store Establishment.						
1	1	Storekeeper	100	100				
...	1	Do.	50	50				
1	1	Do.	40	40				
2	2	Do.	30	60				
8	8	Do.	25	200				
7	6	Do.	20	120				
4	3	Do.	15	45				
1	1	Do.	12	12				
1	1	Store Writer	25	25				
7	7	Store Watchers	7	49				
32	31	Total, Store Establishment.	...	701	8,412	...	8,232	
		Workshop Establishment (Presidency and Dowlaishweram).						
1	...	Foreman, Mechanics ...	130	...				
1	1	Maistry	50	50				
1	2	Maistries	30	60				
1	...	Foundry Foreman ...	45	...				
1	1	Foreman, Instruments ...	80—100	100				
1	1	Engraver	30	30				
1	1	Gatekeeper	10	10				
2	2	Attenders	10	20				
2	2	Boys	4	8				
11	10	Total, Petty Establishment (Presidency and Dowlaishweram).	...	278	3,336	...	5,196	
		Medical Establishment.						
2	2	Medical Subordinates ...	55	110				
2	1	Do. do. ...	50	50				
2	2	Do. do. ...	35	70				
1	...	Do. do. ...	25	...				
		Charge allowance 3 at 25, 1 at 15.	...	90				
4	3	Hospital servants 1 at 7, 1 at 6 and 1 at 4.	...	17				
11	8	Total, Medical Establishment.	...	337	4,044	...	5,196	
		Carried over ...	...	...	15,792	...	18,624	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	15,792	...	18,624	
		EXECUTIVE BRANCH —*cont.*						
		Telegraph Establishment.						
1	...	Signallers	30	...				
2	1	Do.	25	25				
4	1	Do.	20	20				
3	1	Do.	15	15				
7	2	Telegraph peons	6	12				
17	5	Total, Telegraph Establishment.	...	72	864	...	2,964	
		Lascars, Sweepers, &c.						
482	500	Lascars	6	3,000				
5	5	Sweepers	2 at 5 3 at 4	22				
487	505	Total, Lascars, &c...	...	3,022	36,264	...	34,968	
		IRRIGATION ESTABLISHMENT.						
		Godávari Delta System.						
1	1	Anicut Superintendent ...	120	120				
1	1	Do. Maistry	18	18				
1	1	Do. do.	15	15				
1	1	Do. do.	12	12				
3	3	Clerks	15	45				
1	1	Irrigation Writer	15	15				
1	1	Shroff	10	10				
3	3	Delta Superintendent ...	80	240				
1	1	Do. do. ...	70	70				
1	1	Do. do. ...	60	60				
9	9	Do. do. ...	55	495				
12	12	Do. do. ...	40	480				
6	6	Do. do. ...	8	48				
1	1	Peon	6	6				
3	3	Peons	5	15				
39	39	Lascars	6	234				
75	75	Do.	5	375				
159	159	Total, Water Regulation Establishment, Godávari Delta System.	...	2,258	27,096	...	27,096	
		Carried over ...	...	...	80,016	...	83,652	

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	80,016	...	83,652	
		EXECUTIVE BRANCH —cont.						
		IRRIGATION CONSERVANCY ESTABLISHMENT—cont.						
		Navigation Establishment.						
1	1	Boat Superintendent ...	75	75				
2	2	Lock Superintendents ...	15	30				
18	18	Do. do. ...	12	216				
24	24	Do. do. ...	10	240				
1	1	Do. Superintendent ...	9	9				
11	11	Do. Superintendents ..	8	88				
147	147	Do. do. ...	6	882				
87	87	Do. do. ...	5	435				
291	291	Total, Navigation Establishment, Godávari Delta System.	...	1,975	23,700	...	23,700	
		GODAVARI DISTRICT.						
		Head and Tail Locks at Dumagudem.						
...	1	Superintendent	17	17	204	...	...	
		Kistna Delta System.						
1	1	Anicut Superintendent ...	140	140				
1	1	Assistant do. ...	40	40				
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Irrigation Clerk, 5th Class, 1st Grade.	15—20	17½				
1	1	Do. do. 2nd Grade.	10—15	12½				
3	3	Delta Superintendents ...	70	210				
5	6	Do. do. ...	55	330				
6	8	Do. do. ...	40	320				
17	19	Lascars	8	152				
17	19	Do.	7	133				
28	29	Do.	6	174				
29	30	Do.	5	150				
110	119	Total, Water Regulation Establishment, Kistna Delta System.	...	1,696½	20,358	...	18,366	
...	1	Boat Superintendent ...	50	50				
3	3	Lock Superintendents ...	15	45				
9	9	Do. do. ...	12	108				
13	14	Do. do. ...	10	140				
15	15	Do. do. ...	8	120				
19	20	Do. do. ...	7	140				
		Carried over ...	...	603	1,24,278	...	1,25,718	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	603	1,24,278	...	1,25,718	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT—*cont.*						
		Kistna Delta System—cont.						
25	26	Lock Superintendents ...	6	156				
23	23	Do. do. ...	5	115				
2	2	Traffic Clerks	12	24				
1	1	Boat Clerk, 5th Class, 1st Grade.	15—20	17½				
110	114	Total, Navigation Establishment, Kistna Delta System.	...	915½	10,986	...	10,110	
		Pennér Anicut System.						
		Water Regulation Establishment.						
1	1	Delta Superintendent ...	70	70				
1	1	Anicut do. ...	60	60				
1	1	Clerk, V Class, 1st Grade...	15-20	17½				
1	1	Do. do 2nd „ ...	10-15	12½				
1	1	Lascar	7	7				
17	17	Lascars	6	102				
4	4	Do.	5	20				
26	26	Total, Water Regulation Establishment, Pennér Anicut System.	...	289	3,468	...	3,408	
		Cauvery Delta System.						
1	1	Superintendent	75	75				
1	1	Do.	50	50				
1	1	Do.	30	30				
1	1	Do.	25	25				
1	1	Anicut Superintendent ...	25	25				
3	3	Superintendents	20	60				
9	9	Do.	15	135				
4	4	Do.	10	40				
1	1	Superintendent	8	8				
3	3	Lascars	8	24				
17	17	Do.	7	119				
39	39	Do.	6	234				
		Carried over ...	...	825	1,38,732	...	1,39,236	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE, FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	825	1,38,732	...	1,39,236	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT —*cont.*						
		Cauvery Delta System—cont.						
89	89	Lascars	5	445				
1	1	Sweeper	5	5				
31	31	Lascars	4	124				
202	202	Total, Water Regulation Establishment, Cauvery Delta System.	...	1,399	16,788	...	16,788	
		Navigation Establishment.						
1	1	Lascar	7	7				
1	1	Do.	5	5				
2	2	Total, Navigation Establishment, Cauvery Delta System.	...	12	144	...	144	
		Srívaikuntham Anicut System.						
		Water Regulation Establishment.						
2	2	Superintendents	30	60				
1	1	Superintendent	12	12				
21	21	Lascars	5	105				
24	24	Total, Water Regulation Establishment, Srívaikuntham Anicut System.	...	177	2,124	...	2,124	
		Chembrambakam Tank.						
		Water Regulation Establishment.						
1	1	Superintendent	12	12				
1	1	Do.	10½	10½				
2	2	Lascars	6	12				
5	5	Do.	5	25				
9	9	Total, Water Regulation Establishment, Chembrambakam Tank.	...	59½	714	...	714	
		Carried over ...	...	...	1,58,502	...	1,59,006	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,58,502	...	1,59,006	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT—*cont.*						
		Madras Water-supply and Irrigation Project.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
4	4	Lascars	7	28				
2	2	Do.	6	12				
4	4	Do.	5	20				
12	12	Total, Madras Water-supply and Irrigation Project.	...	100	1,200	...	1,200	
		Pálár Anicut System.						
		Water Regulation Establishment, Chingleput District.						
1	1	Maistry	20	20				
2	2	Lascars	6	12				
12	12	Do.	4	48				
15	15		...	80	...	...	...	
		North Arcot District.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
3	3	Superintendents	12	36				
20	20	Do.	5	100				
25	25		...	176	...	...	...	
40	40	Total, Water Regulation Establishment, Pálár Anicut System.	...	256	3,072	...	3,072	
		Pelandorai Anicut System.						
1	1	Superintendent	30	30				
1	1	Lascar	8	8				
2	2	Lascars	6	12				
7	7	Do.	5	35				
11	11	Total, Water Regulation Establishment, Pelandorai Anicut System.	...	85	1,020	...	1,020	
		Carried over ..	...	...	1,63,794	...	1,64,298	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,63,794	...	1,64,298	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT—*cont.*						
		Barur Project.						
1	1	Anicut Superintendent ...	35	35				
4	4	Lascars	6	24				
5	5	Total ...	...	59	708	...	708	
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.						
		Water Regulation Establishment.						
		Ganjam District.						
4	4	Lascars	7	28				
1	1	Lascar	6	6				
10	10	Lascars	4	40				
1	1	Lascar	3½	3½				
16	16	Total, Water Regulation Establishment, Ganjam District.	...	77½	930	...	930	
		North Arcot District.						
1	1	Superintendent	27	27				
2	2	Superintendents	20	40				
1	1	Superintendent	12	12				
1	1	Do.	10	10				
5	5	Lascars	6	30				
15	15	Do.	5	75				
25	25	Total, Water Regulation Establishment, North Arcot District.	...	194	2,328	...	2,328	
		Coimbatore District.						
1	1	Superintendent	5	5				
4	4	Lascars	2½	10				
5	5	Total, Water Regulation Establishment, Coimbatore District.	...	15	180	...	180	
		Carried over ...	...	...	1,67,940	...	1,68,444	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	..	...	1,67,940	...	1,68,444	
		EXECUTIVE BRANCH—*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Water Regulation Establishment—cont.						
		Malabar District.						
1	1	Watchman	4	4				
1	1	Do.	3	3				
		Additional amount sanctioned.	...	11½				
2	2	Total, Water Regulation Establishment, Malabar District.	...	18½	222	..	222	
		Tanjore District.						
1	1	Superintendent	50	50				
2	2	Lascars	6	12				
6	6	Do.	5	30				
9	9	Total, Water Regulation Establishment, Tanjore District.	...	92	1,104	...	1,104	
		Vizagapatam District.						
3	3	Superintendents	12	36				
13	13	Lascars	5	65				
16	16	Total, Water Regulation Establishment, Vizagapatam District.	...	101	1,212	...	1,212	
		Godávari District.						
1	1	Lascar	9	9				
1	1	Do.	7	7				
2	2	Total, Water Regulation Establishment, Godávari District.	...	16	192	...	192	
		Carried over ...	...	...	1,70,670	...	1,71,174	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,70,670	...	1,71,174	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Water Regulation Establishment—cont.						
		Chingleput District.						
1	1	Superintendent	$10\frac{1}{3}$	$10\frac{1}{3}$				
1	1	Lascar	6	6				
1	1	Do.	5	5				
3	3	Total, Water Regulation Establishment, Chingleput District.	...	$21\frac{1}{3}$	258	...	258	
		South Arcot District.						
1	1	Superintendent	40	40				
2	2	Superintendents	35	70				
1	1	Superintendent	25	25				
2	2	Superintendents	20	40				
10	10	Lascars	8	80				
9	9	Do.	6	54				
32	32	Do.	5	160				
57	57	Total, Water Regulation Establishment, South Arcot District.	...	469	5,628	...	5,628	
		Trichinopoly District.						
1	1	Superintendent	15	15				
1	1	Do.	12	12				
2	2	Superintendents	10	20				
1	1	Lascar	6	6				
5	5	Lascars	5	25				
18	18	Do.	4	72				
4	4	Do.	3	12				
32	32	Total, Water Regulation Establishment, Trichinopoly District.	...	162	1,944	...	1,944	
		Carried over ...	...	...	1,78,500	...	1,79,004	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,78,500	...	1,79,004	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Water Regulation Establishment—cont.						
		Madura District.						
4	4	Lascars	4	16				
4	4	Total, Water Regulation Establishment, Madura District.	...	16	192	...	192	
		Tinnevelly District.						
1	1	Superintendent	20	20				
5	5	Superintendents	15	75				
1	1	Lascar	8	8				
7	7	Lascars	7	49				
15	15	Do.	6	90				
23	23	Do.	5	115				
52	52	Total, Water Regulation Establishment, Tinnevelly District.	...	357	4,284	...	4,284	
		Navigation Establishment.						
		South Arcot District.						
1	1	Superintendent	15	15				
1	1	Do.	10	10				
1	1	Lascar	8	8				
7	7	Lascars	5	35				
10	10	Total, Navigation Establishment, South Arcot District.	...	68	816	...	816	
		Carried over ...	...	...	1,83,792	...	1,84,296	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,83,792	...	1,84,296	
		EXECUTIVE BRANCH —*cont.*						
		AGRICULTURAL WORKS, RIVER CONSERVANCY ESTABLISHMENT.						
		Godávari District.						
2	2	Superintendents	15	30				
8	8	Lascars	6	48				
10	10	Total, River Conservancy Establishment, Godávari District.	...	78	936	...	936	
		South Arcot District.						
1	1	Sluice Keeper	8	8				
3	3	Lascars	8	24				
6	6	Do.	5	30				
10	10	Total, River Conservancy Establishment, South Arcot District.	...	62	744	...	744	
		Trichinopoly District.						
2	2	Lascars	7	14				
20	20	Do.	4	80				
4	4	Do.	3	12				
10	10	Do.	2½	25				
36	36	Total, River Conservancy Establishment, Trichinopoly District.	...	131	1,572	...	1,572	
		Tinnevelly District.						
1	1	Lascar	7	7				
4	4	Lascars	2	8				
5	5	Total, River Conservancy Establishment, Tinnevelly District.	...	15	180	...	180	
		Carried over ...	...	...	1,87,224	...	1,87,728	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,87,224	...	1,87,728	
		EXECUTIVE BRANCH —*cont.*						
		CONSERVANCY ESTABLISHMENT, KURNOOL CANAL.						
3	3	Irrigation Superintendents.	65,55&45	165				
4	4	Anicut do.	1 at 25 1 at 20 2 at 15	75				
10	10	Head Lascars	8	80				
15	15	Do.	7	105				
17	17	Lascars	6	102				
13	13	Do.	5	65				
3	3	Lascars for Irrigation Superintendents.	6	18				
65	65	Total, Irrigation, Kurnool Canal.	...	610	...	...	...	
		Navigation Establishment.						
4	4	Lock Superintendents ...	15	60	...	...	...	
4	4	Total, Navigation Establishment, Kurnool Canal.	...	60	...	...	...	
69	69	Total, Irrigation and Navigation Establishment, Kurnool Canal.	...	670	8,040	...	8,040	
		CONSERVANCY ESTABLISHMENT.						
		Sangam Project of Nellore District.						
1	1	Anicut Superintendent ...	60	60				
1	1	Delta do. ...	60	60				
1	1	Channel do. ...	40	40				
1	1	Do. do. ...	25	25				
2	2	Clerks, 5th Class, 1st Grade.	15—20	35				
2	2	Do. 5th „ 2nd „	10—15	25				
1	1	Tank Superintendent ...	15	15				
2	2	Lascars	8	16				
5	5	Do.	7	35				
20	20	Do.	6	120				
36	36	Total, Conservancy Establishment, Sangam Project.	...	431	5,172	...	5,172	
		Total, Petty Establishment.	...	...	2,00,436	...	2,00,940	
		Carried over ...	...	...	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	...	...	...	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT.						
		For Chief Engineer and Secretary to Government, Public Works Department.						
1	1	Chief Assistant	600	600				
1	1	Second do.	300	300				
2	2	Clerks, 1st Class, 3rd Grade.	200—250	450				
1	1	Clerk, 2nd „ 2nd „	120—160	140				
2	2	Do. 2nd „ 3rd „	100—120	220				
3	3	Do. 3rd „ 1st „	80—100	270				
2	2	Do. 3rd „ 2nd „	60—80	140				
4	4	Do. 3rd „ 3rd „	50—60	220				
3	3	Do. 4th „ 1st „	40—50	135				
3	3	Do. 4th „ 2nd „	30—40	105				
3	3	Do. 4th „ 3rd „	20—30	75				
1	1	Draftsman, Special ...	200—250	225				
1	1	Do. do. ...	80—100	90				
3	4	Attenders	15, 13, 12 & 10	50				
1	1	Muchi	14	14				
1	1	Do.	12	12				
1	1	Press Messenger	10	10				
1	1	Duffadar	15	15				
1	1	Head Peon	10	10				
5	5	Peons, 1st Class	8	40				
4	4	Do. 2nd „	7	28				
44	45	Total ...	...	3,149	...	...	...	
		Drawing Branch attached to the Chief Engineer's Office.						
1	1	Head Draftsman	150	150				
1	1	2nd do.	100	100				
1	1	4th do.	50	50				
1	1	6th do.	20	20				
48	49	Total ...	...	320				
		Total, Public Works Secretariat Establishment.	...	3,469	41,628	...	41,484	
		Carried over ...	...	...	41,628	...	41,484	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	41,628	...	41,484	
		EXECUTIVE BRANCH —cont.						
		OFFICE ESTABLISHMENT —cont.						
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch.						
2	2	Clerks, 1st Class, 3rd Grade.	200—250	450				
1	1	Clerk, 2nd " 3rd "	100—120	110				
2	2	Clerks, 3rd " 1st "	80—100	180				
2	2	Do. 3rd " 2nd "	60— 80	140				
1	1	Clerk, 3rd " 3rd "	50— 60	55				
3	3	Clerks, 4th " 1st "	40— 50	135				
3	3	Do. 4th " 2nd "	30— 40	105				
1	1	Clerk, 4th " 3rd "	20— 30	25				
1	1	Draftsman, 1st Class ...	50— 70	60				
2	2	Draftsmen, 2nd " ...	35— 50	85				
2	2	Do. 3rd " ...	20— 30	50				
1	1	Reference Picker	15	15				
1	1	Do. do.	12	12				
1	1	Muchi	12	12				
1	1	Duffadar	10	10				
1	1	Head Peon	8	8				
1	1	Messenger	8	8				
2	2	Messengers	7	14				
1	1	Messenger	6	6				
3	3	Lascars	7	21				
32	32	Total, Office Establishment for Chief Engineer for Irrigation.	...	1,501	18,012	...	18,012	
		For Six Superintending Engineers' Offices.						
1	1	Clerk, 2nd Class, 1st Grade.	160—200	180				
1	1	Do. 2nd " 3rd "	100—120	110				
1	1	Do. 3rd " 3rd "	50— 60	55				
1	1	Do. 4th " 1st "	40— 50	45				
1	1	Do. 4th " 2nd "	30— 40	35				
2	2	Clerks, 4th " 3rd "	20— 30	50				
1	1	Draftsman, Special ...	80—100	90				
1	1	Do. 1st Class ...	50— 70	60				
1	1	Do. 2nd " ...	35— 50	42½				
		Carried over ...	...	667½	59,640	...	59,496	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	667½	59,640	...	59,496	
		EXECUTIVE BRANCH —cont.						
		OFFICE ESTABLISHMENT —cont.						
		For Six Superintending Engineers' Offices—cont.						
1	1	Messenger ...	8	8				
3	3	Messengers ...	6	18				
14	14	Total for each office ...	...	693⅓				
6	6		...	6				
84	84	Total for six offices ...	...	4,161	49,932	...	49,932	
		For Godávari Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
2	2	Clerks, 4th „ 1st „	40—50	90				
1	1	Clerk, 4th „ 2nd „	30—40	35				
1	1	Cashier (Clerk, 4th Class, 2nd Grade).	30—40	35				
3	3	Clerks, 4th Class, 3rd Grade	20—30	75				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger ...	7	7				
1	1	Do. ...	6	6				
12	12	Total, Office Establishment, Godávari Eastern Division.	...	403	4,836	...	4,836	
		For Kistna Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
1	1	Do. 4th „ 2nd „	30—40	35				
3	3	Clerks, 4th „ 3rd „	20—30	75				
1	1	Cashier (Clerk, 4th Class, 3rd Grade).	20—30	25				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger ...	7	7				
1	1	Do. ...	6	6				
11	11	Total, Office Establishment, Kistna Eastern Division.	...	348	4,176	...	4,176	
		Carried over ...	...	...	1,18,584	...	1,18,440	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,18,584	...	1,18,440	
		EXECUTIVE BRANCH —cont.						
		OFFICE ESTABLISHMENT —cont.						
		For Ganjam Division.						
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Clerk (Cashier), 4th Class, 2nd Grade.	30—40	35				
1	1	Draftsman, 2nd Class ...	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
9	9	Total, Office Establishment, Ganjam Division.	...	255½	3,066	...	3,066	
		For Godávari Western Division.						
...	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
...	2	Clerks, 4th „ 1st „	40—50	90				
...	2	Do. 4th „ 2nd „	30—40	70				
...	1	Clerk (Cashier), 4th Class, 2nd Grade.	30—40	35				
...	3	Clerks, 4th Class, 3rd Grade.	20—30	75				
...	1	Clerk, 5th „ 1st „	15—20	17½				
...	1	Draftsman, 1st Class ...	50—70	60				
...	2	Draftsmen, 3rd „ ...	20—30	50				
...	1	Messenger	7	7				
...	1	Do.	6	6				
...	15	Total, Office Establishment, Godávari Western Divn.	...	480½	5,766	...	...	
		For Eight First-class Divisions (a)						(a) 1. Kistna Western division. 2. South Arcot division. 3. Buckingham Canal division. 4. Tanjore division. 5. Tinnevelly division. 6. Coimbatore division. 7. West Coast division. 8. Nellore division.
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 1st „	40—50	45				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
		Carried over ...	...	285	1,27,416	...	1,21,506	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	285	1,27,416	...	1,21,506	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		For eight First-Class Divisions—cont.						
1	1	Messenger	7	7				
1	1	Do.	6	6				
9 8	9 8	Total for each office ...	...	298 8				
72	72	Total for eight offices ...	...	2,384				
		Add difference of pay between 2nd and 3rd class draftsman for West Coast Division.	...	17⅓				
			...	2,401⅓	28,818	...	28,608	
		For Rushikulya Division.						
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th „ 2nd „ (Cashier).	30—40	35				
3	3	Clerks, 4th Class, 3rd Grade.	20—30	75				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
9	9	Total, Office Establishment, Rushikulya Division.	...	263	3,156	...	3,156	
		For Kurnool Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd „ 3rd „	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
2	1	Clerk, 4th „ 2nd „	30—40	35				
2	2	Do. 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 2nd „ ...	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
2	2	Messengers	7	14				
1	1	Messenger	6	6				
13	12	Total, Office Establishment, Kurnool Division.	...	402½	4,830	...	5,250	
		Carried over ...	...	...	1,64,220	...	1,58,520	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,64,220	...	1,58,520	
		EXECUTIVE BRANCH —cont.						
		Office Establishment —cont.						
		For seven Second-class Divisions (a)						(a) 1. Cuddapah division. 2. North Arcot do. 3. Chingleput do. 4. Trichinopoly do. 5. Negapatam do. 6. Madura do. 7. Bellary do.
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 1st Class ...	50—70	60				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8 7	8 7	Total for each Division ...	...	253 7	...	...	...	
56	56	Total for seven offices ...	...	1,771			...	
		Add—						
1	1	Clerk, 4th Class, 3rd Grade, for North Arcot division.	20—30	25				
...	1	Do. for Bellary division.	20—30	25				
57	58	Total for seven offices ...	...	1,821	21,852	...	21,552	
		For one Third-class Division (a).						(a) Vizagapatam division.
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th „ 2nd „	30—40	35				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Draftsman, 2nd Class ...	35—50	42½				
1	1	Do. 3rd „ ...	20—30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8 2 16	8	Total, Office Establishment, for one third-class division.	...	220½	2,646	...	5,592	
		Carried over ...	...	...	1,88,718	...	1,85,664	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,88,718	...	1,85,664	
		EXECUTIVE BRANCH —cont.						
		OFFICE ESTABLISHMENT —cont.						
		Office Establishment of the Consulting Architect to Government.						
1	1	Clerk, 1st Class, 3rd Grade.	200—250	225				
1	1	Do. 4th " 1st "	40— 50	45				
1	1	Do. 4th " 2nd "	30— 40	35				
2	2	Clerks, 4th " 3rd "	20— 30	50				
1	1	Clerk, 5th " 1st "	15— 20	17½				
1	1	Draftsman (Special) ...	80—100	90				
1	1	Do. 1st Class ...	50— 70	60				
1	1	Do. 2nd " ...	35— 50	42½				
1	1	Do. 3rd " ...	20— 30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
12	12	Total, Office Establishment for Consulting Architect to Government.	...	603	7,236	...	7,236	
		For Public Works Stores.						
1	1	Storekeeper	120—160	140				
1	1	Store Clerk, 3rd Class, 2nd Grade.	60— 80	70				
1	1	Do. 4th Class, 2nd Grade.	30— 40	35				
1	1	Do. 4th " 3rd "	20— 30	25				
1	1	Messenger	8	8				
2	2	Messengers	7	14				
2	2	Do.	6½	13				
9	9	Total, Office Establishment, Public Works Stores.	...	305	3,660	...	3,660	
		For Public Works Workshops, Presidency.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd " 3rd "	50—60	55				
1	1	Do. 4th " 1st "	40—50	45				
1	1	Do. 4th " 3rd "	20—30	25				
		Carried over ...	...	195	1,99,614	...	1,96,560	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	195	1,99,614	...	1,96,560	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		For Public Works Workshops, Presidency—cont.						
4	4	Clerks, 5th Class, 1st Grade.	15—20	70				
1	1	Clerk, 5th „ 2nd „	10—15	12½				
1	1	Draftsman, 1st Class ...	50—70	60				
4	4	Messengers	7	28				
14	14	Total, Office Establishment, Presidency Workshops.	...	365½	4,386	...	4,386	
		For Public Works Workshops, Dowlaishweram.						
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Clerk, 5th „ 1st „	15—20	17½				
1	1	Duffadar	9	9				
5	5	Gate Peons	6	30				
1	1	Office Peon	6	6				
4	4	Store Peons	6	24				
16	16	Total, Office Establishment, Public Works Workshops, Dowlaishweram.	...	236½	2,838	...	2,718	
		Office (Toll) Establishment, Buckingham Canal.						
1	1	Wharf Superintendent ...	50	50				
2	2	Clerks, 5th Class, 1st Grade.	15—20	35				
2	2	Toll-keepers	15	30				
3	4	Wharf Clerks	17½	70				
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Assistant Toll-keeper ...	10—15	12½				
1	1	Shroff	10	10				
1	1	Do.	8	8				
4	4	Lascars	7	28				
14	16	Do.	6	96				
30	33	Total, Office (Toll) Establishment, Buckingham Canal.	...	364½	4,374	...	4,020	
		Carried over ...	...	...	2,11 212	...	2,07,684	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,88,718	...	1,85,664	
		EXECUTIVE BRANCH —cont.						
		OFFICE ESTABLISHMENT —cont.						
		Office Establishment of the Consulting Architect to Government.						
1	1	Clerk, 1st Class, 3rd Grade.	200—250	225				
1	1	Do. 4th „ 1st „	40— 50	45				
1	1	Do. 4th „ 2nd „	30— 40	35				
2	2	Clerks, 4th „ 3rd „	20— 30	50				
1	1	Clerk, 5th „ 1st „	15— 20	17½				
1	1	Draftsman (Special) ...	80—100	90				
1	1	Do. 1st Class ...	50— 70	60				
1	1	Do. 2nd „ ...	35— 50	42½				
1	1	Do. 3rd „ ...	20— 30	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
12	12	Total, Office Establishment for Consulting Architect to Government.	...	603	7,236	...	7,236	
		For Public Works Stores.						
1	1	Storekeeper	120—160	140				
1	1	Store Clerk, 3rd Class, 2nd Grade.	60— 80	70				
1	1	Do. 4th Class, 2nd Grade.	30— 40	35				
1	1	Do. 4th „ 3rd „	20— 30	25				
1	1	Messenger	8	8				
2	2	Messengers	7	14				
2	2	Do.	6½	13				
9	9	Total, Office Establishment, Public Works Stores.	...	305	3,660	...	3,660	
		For Public Works Workshops, Presidency.						
1	1	Clerk, 3rd Class, 2nd Grade.	60—80	70				
1	1	Do. 3rd „ 3rd „	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
1	1	Do. 4th „ 3rd „	20—30	25				
		Carried over ...	...	195	1,99,614	...	1,96,560	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	195	1,99,614	...	1,96,560	
		EXECUTIVE BRANCH—*cont.*						
		OFFICE ESTABLISHMENT—*cont.*						
		For Public Works Workshops, Presidency—cont.						
4	4	Clerks, 5th Class, 1st Grade.	15—20	70				
1	1	Clerk, 5th „ 2nd „	10—15	12½				
1	1	Draftsman, 1st Class ...	50—70	60				
4	4	Messengers	7	28				
14	14	Total, Office Establishment, Presidency Workshops.	...	365½	4,386	...	4,386	
		For Public Works Workshops, Dowlaishweram.						
1	1	Clerk, 3rd Class, 3rd Grade.	50—60	55				
1	1	Do. 4th „ 1st „	40—50	45				
2	2	Clerks, 4th „ 3rd „	20—30	50				
1	1	Clerk, 5th „ 1st „	15—20	17½				
1	1	Duffadar	9	9				
5	5	Gate Peons	6	30				
1	1	Office Peon	6	6				
4	4	Store Peons	6	24				
16	16	Total, Office Establishment, Public Works Workshops, Dowlaishweram.	...	236½	2,838	...	2,718	
		Office (Toll) Establishment, Buckingham Canal.						
1	1	Wharf Superintendent ...	50	50				
2	2	Clerks, 5th Class, 1st Grade.	15—20	35				
2	2	Toll-keepers	15	30				
3	4	Wharf Clerks	17½	70				
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Assistant Toll-keeper ...	10—15	12½				
1	1	Shroff	10	10				
1	1	Do.	8	8				
4	4	Lascars	7	28				
14	16	Do.	6	96				
30	33	Total, Office (Toll) Establishment, Buckingham Canal.	...	364½	4,374	...	4,020	
		Carried over ...	...	...	2,11 212	...	2,07,684	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	2,11,212	...	2,07,684	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		For Seventy Sub-divisional Offices.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
1	1	Messenger	6	6				
2	2	Total for each office ...	...	31	...	...	...	
68	70		...	70	...	...	...	
136	140	Total for seventy Sub-divisional Offices.	...	2,170	26,040	...	25,296	
		For Nilgiri Sub-division.						
2	1	Clerk, 4th Class, 2nd Grade.	30—40	35				
2	1	Messenger	9	9				
4	2	Total for Nílgiri Sub-division.	...	44	528	...	1,056	
		Add—						
1	1	Clerk, 4th Class, 3rd Grade, for Cumbum Sub-division, Kurnool division.	20—30	25				
...	3	Clerks, 5th Class, 1st Grade, for Eastern Sub-division, Central Delta Sub-division and Western Sub-division of Godávari Western division.	15—20	52½				
1	2	Clerks, 4th Class, 2nd Grade, for Koraput Sub-division of the Vizagapatam division.	30—40	70				
1	1	Messenger Koraput Sub-division.	9	9				
3	3	Draftsmen, 3rd Class ...	20—30	75				
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
7	11	Total for Sub-divisional offices.	...	249	2,988	...	1,938	
147	153							
		Carried over ...	...	...	2,40,768	...	2,35,974	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Per Annum.	Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	2,40,768	...	2,35,974	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT—*cont.*						
		For Fifty-three Detached Officers.						
1	1	Clerk, 4th Class, 3rd Grade.	20—30	25				
53	53	For fifty-three detached officers.	...	53				
53	53	Total for fifty-three detached officers.	...	1,325	15,900	...	15,900	
		For Eighty-eight Overseers.						
1	1	Clerk, 5th Class, 1st Grade.	15—20	17½				
92	88		...	88				
92	88	Total for eighty-eight Overseers.	...	1,540	18,480	...	19,320	
...	...	Total, Office Establishment.	...	...	2,75,148	...	2,71,194	
		Temporary Establishment.	...	...	...	...	1,62,522	
		Local Allowances.						
		Upper Godávari allowances.	...	...	360			
		Wynaad allowances ...	...	...	2,000	...		
		Potinghy Ghât allowances.	...	...	4,000	...		
		Presidency allowances ...	...	...	7,000	...		
		Do. house-rent ...	...	...	5,000	...		
		Periyár allowance ...	...	...	5,000	...		
		Total, Local Allowances ...	...	...	23,360	...	26,160	
		SALARIES.						
		Abstract of the above.						
		Engineer Establishment ...	...	...	6,68,389	...	6,77,553	
		Upper Subordinate Establishment.	...	...	3,45,556	...	3,41,008	
		Lower Subordinate Establishment.	...	...	17,040	...	14,520	
		Petty Establishment ...	...	...	2,00,436	...	2,00,940	
		Office do. ...	...	...	2,75,148	...	2,71,194	
		Temporary do. ...	...	...	1,72,380	...	1,62,522	
		Local allowances	...	...	23,360	...	26,160	
		Total, Salaries ...	...	...	17,02,309	...	16,93,897	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1890-91.	Number. 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	17,02,309	...	16,93,897	
		EXECUTIVE BRANCH —*cont.*						
		Travelling allowances ...	...	...	1,90,000	...	2,04,659	
		Contingencies for Chief Engineer, Public Works Department, Chief Engineer for Irrigation, Superintending Engineers' offices and Divisional offices.	...	...	45,456	...	45,456	
		Total, Executive Branch.	...	...	19,37,765	...	19,44,012	
		ACCOUNTS BRANCH.						
...	1	Examiner, 2nd Class and Major, R.E.	1,532	1,532				
1	...	Examiner, 3rd Class ...	...	...				
1	...	Examiner, 4th Class, 3rd Grade.	...	...				
...	2	Deputy Examiners, 2nd Grade.	450	900				
1	...	Assistant Examiner, 1st Grade.	...	...				
3	3	Total, Examiners ...	...	2,432	29,184	...	27,384	
		Accountants.						
2	2	Accountants, 1st Grade ...	350—450	800				
3	3	Do. 2nd. " ...	250—340	885				
5	6	Do. 3rd " ...	160—240	1,200				
16	17	Do. 4th " ...	80—150	1,955				
27	28	Do. 5th " ...	40— 75	1,610				
*53	56	Total, Accountants ...	...	6,450	77,400	...	72,930	* Excludes Temporary Accountants who have since been made permanent.
		Office Establishment.						
1	1	Clerk, 2nd Class, 2nd Grade	120—160	140				
1	1	Do. 3rd " 1st "	80—100	90				
3	3	Clerks, 3rd " 2nd "	60— 80	210				
7	7	Do. 3rd " 3rd "	50— 60	385				
6	6	Do. 4th " 1st "	40— 50	270				
10	10	Do. 4th " 2nd "	30— 40	350				
18	18	Do. 4th " 3rd "	20— 30	450				
16	16	Do. 5th " 1st "	15— 20	280				
62	62	Total ...	...	2,175	1,06,584	...	1,00,314	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,06,584	...	1,00,314	
		ACCOUNTS BRANCH —*cont.*						
		Menial Servants.						
1	1	Attender	12	12				
1	1	Do.	10	10				
1	1	Muchi	12	12				
1	1	Do.	10	10				
1	1	Do.	8	8				
1	1	Head Messenger	10	10				
1	1	Messenger	8	8				
4	4	Messengers	7	28				
6	6	Do.	6	36				
2	2	Rollers	6	12				
19	19	Total, Menial Servants ...	...	146	...	...	...	
81	81	Total, Office Establishment.	...	2,321	27,852	...	27,828	
		Local and Charge Allowances.						
		Presidency house-rent ...	...	250				
		Do. allowance ...	...	550				
		Charge allowance for 16 Accountants, 5th Grade.	20	320				
		Total, Local and Charge Allowances.	...	1,120	13,440	...	14,400	
		Total, Salaries	...	...	1,47,876	...	1,42,542	
		Travelling allowances ...	...	...	4,000	...	5,000	
		Contingencies	...	...	3,500	...	3,500	
		Grand Total ...	...	...	...	1,55,376	1,51,042	
		Deduct— Contributions as follows: Coorg 1 Accountant, 3rd Grade. Contribution on account of audit of Coorg.	...	...	...	— 5,420	— 5,900	
		Net Total ...	...	...	...	1,49,956	1,45,142	
		Abstract.						
		Executive Branch	...	...	...	19,37,765	19,44,012	
		Accounts do.	...	...	...	1,49,956	1,45,142	
		Grand Total, Public Works Department Establishment.	...	...	...	20,87,721	20,89,154	

GOVERNMENT OF MADRAS.

PART III—concluded.

ABSTRACT OF THE FOREGOING PROVISION FOR ESTABLISHMENT.

Number 1890-91.	Number 1891-92.	Particulars.	Salary of Office.	Estimate for 1891-92. Per Mensem.	Estimate for 1891-92. Per Annum.	Estimate for 1891-92. Total.	Estimate for 1890-91.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Total, Public Works Establishment.	...	...	...	20,87,721	20,89,154	
		DEDUCT CONTRIBUTIONS.						
		Wards' Works	...	...	9,200			
		Imperial Military	...	...	16,600			
		Imperial Civil Works ...	...	...	8,500			
		Incorporated Local Funds ...	...	...	9,183			
		Excluded Local Funds ...	...	...	4,209			
		35. Construction of Protective Irrigation Works.	...	...	64,699			
		42. Major Works, Working Expenses.	...	...	4,47,483			
		49. Capital Expenditure on Major Works.	...	...	2,37,745			
		43. Provincial Minor Works and Navigation.	...	...	8,00,102	15,97,721		
		Balance debitable to Provincial.	...	...	...	4,90,000	5,20,000	

GOVERNMENT OF MADRAS.

PART IV.

DETAIL OF THE BUDGET-ESTIMATE FOR TOOLS AND PLANT UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1891-92.

Divisions.	Surveying and Mathematical Instruments.	Machinery.	Tools.	Plant.	Office Furniture.	Camp Equipage.	Live Stock.	Repairs and Carriage.	Total, 1891-92.	Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	...	...	...	...	...	...	...	...	500	
Vizagapatam	...	...	...	...	...	...	...	...	1,000	
Godávari Eastern	...	...	...	...	...	...	...	...	500	
Do. Western	...	...	...	...	...	...	...	...	...	
Kistna Eastern	...	...	...	...	...	...	...	...	500	
Do. Western	...	...	...	...	...	...	...	...	50	
Nellore	...	...	...	...	...	...	...	...	2,000	
Bellary	...	...	...	...	...	...	...	...	1,000	
Cuddapah	...	...	...	...	...	...	...	...	1,000	
Kurnool	...	...	...	...	...	...	...	...	1,000	
Coimbatore	...	...	...	...	...	...	...	...	2,500	
West Coast	...	...	...	...	...	...	...	...	1,500	
North Arcot	...	...	...	...	...	...	...	...	500	
South Arcot	...	...	...	...	...	...	...	...	560	
Chingleput	...	...	...	...	...	...	...	...	500	
Public Works Workshops ...	...	...	...	...	...	...	...	...	2,500	
Do. Stores	...	...	...	...	...	...	...	...	9,000	
Tanjore	...	...	...	...	...	...	...	...	600	
Negapatam	...	...	...	...	...	...	...	...	150	
Trichinopoly	...	...	...	...	...	...	...	...	400	
Madura	...	...	...	...	...	...	...	...	400	
Tinnevelly	...	...	...	...	...	...	...	...	300	
Architect	...	...	...	...	...	...	...	...	1,200	
Reserve with the Government.	...	...	...	...	...	...	...	...	406	
Total ...	...	...	...	...	...	...	...	...	28,066	35,150
London Supplies	...	...	...	...	...	...	...	...	98,603	56,821
Grand Total ...	...	...	...	...	...	...	...	...	1,26,669	91,971

GOVERNMENT OF MADRAS.

APPENDIX D.

ESTIMATED ACCOUNT OF RECEIPTS AND CHARGES OF THE GENERAL BRANCH, PUBLIC WORKS DEPARTMENT, MADRAS, FOR THE YEARS 1890-91 AND 1891-92.

Accounts.	Budget Estimate for 1891-92.	Revised Estimate for 1890-91.
1	2	3
	Rs.	Rs.
To Balance—		
Cash in chest ...	35,500	35,000
Cash in hands of Civil officers ...	...	...
,, Civil Department ...	1,09,23,400	1,04,69,100
,, Central Adjusting Account ...	30,700	2,600
,, Telegraph Department ...	17,000	4,200
,, Transfers of the Public Works Department—		
Divisional ...	9,92,000	6,39,000
General ...	32,000	45,800
Irrigation ...	3,61,000	3,57,000
State Railways ...	5,000	30,000
,, Guaranteed Railways ...	7,400	30,000
,, London Accounts—		
Stores ...	1,64,000	25,000
Miscellaneous ...	600	600
,, Imperial Revenue Receipts—		
Military Works ...	4,000	4,000
Civil Works ...	...	...
,, Provincial Revenue Receipts ...	1,00,000	95,000
,, Incorporated Local Fund Receipts ...	3,000	3,000
,, Income-tax ...	38,000	38,000
,, Suspense Accounts (not affecting the Budget Grant)—		
Deposits ...	2,44,800	2,32,000
Famine Relief ...	...	...
Grand Total ...	1,29,58,400	1,20,10,300

Accounts.	Budget Estimate for 1891-92.	Revised Estimate for 1890-91.
4	5	6
	Rs.	Rs.
By Civil Department ...	11,00,500	9,92,800
,, Central Adjusting Account ...	40,000	7,800
,, Telegraph Department ...	500	400
,, Transfers of the Public Works Department—		
Divisional ...	9,92,000	6,39,000
General ...	12,700	35,000
Irrigation ...	66,02,000	68,98,000
State Railways ...	75,000	56,500
State outlay on Guaranteed Railways ...	1,21,000	1,05,400
,, Guaranteed Railways ...	16,000	5,200
,, London Account—		
Miscellaneous ...	...	...
,, Expenditure against Imperial Budget Grant—		
Military Works ...	89,000	1,12,900
Civil Works ...	42,700	27,900
,, Expenditure against Provincial Budget Grant ...	35,23,000	26,50,000
,, Expenditure against Incorporated Local Fund Budget Grant ...	85,000	87,000
,, Suspense Accounts (not affecting the Budget Grant)—		
Deposits ...	2,24,000	3,56,900
Famine Relief ...	...	...
Total ...	1,29,23,400	1,19,74,800
,, Balance ...	35,000	35,500
Grand Total ...	1,29,58,400	1,20,10,300

GOVERNMENT OF MADRAS.

APPENDIX A.

DISTRIBUTION OF THE GRANTS FOR 1891-92 UNDER PROVINCIAL SERVICES ARRANGED BY DEPARTMENTS AND OBJECTS OF WORKS.

	Grants for 1891-92.					Outlay.											
	Works in progress.	New Works.	Total Original Works.	Repairs.	Total Works and Repairs.	1890-91, Approximate.			1889-90.			1888-89.			1887-88.		
						Works.	Repairs.	Total.	Works.	Repairs.	Total.	Works.	Repairs.	Total.	Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Civil Buildings.																	
6. Administration	2,41,306	2,80,575	5,21,881			3,92,426	59,734		2,64,139	61,190		2,29,456	54,317		2,12,729	57,835	
7. Minor Departments	...	4,595	4,595			4,087	5,261		2,761	1,243		1,451	397		— 858	2,720	
8. Law and Justice	3,29,954	1,89,680	5,19,634			3,94,245	9,763		3,51,923	7,105		2,96,116	4,119		77,109	4,670	
9. Ecclesiastical	...	...	...			20,199	14,303		12,218	21,408		15,888	17,794		34,566	25,427	
10. Jails	38,114	38,300	76,414			93,211	25,542		19,335	13,357		41,260	4,548		52,814	5,670	
11. Police	9,550	64,644	74,194			79,209	12,766		43,167	9,211		60,286	7,550		81,477	7,524	
12. Educational	2,07,175	1,02,000	3,09,175			1,01,256	14,733		64,770	9,230		51,735	5,640		85,580	7,398	
13. Medical	...	2,95,917	2,95,917			1,07,887	27,640		52,375	19,323		18,301	10,878		16,255	15,104	
14. Forest	...	...	...			1,611	...		2,171	...		...	104		9,450	...	
15. Customs	3,645	...	3,645			12,487	7,451		13,115	1,117		17,607	2,769		6,097	2,308	
16. Miscellaneous	32,946	91,616	1,24,562			1,10,191	42,460		98,892	38,422		1,69,534	38,704		99,305	43,748	
Minor works	...	84,097	84,097			...	...		...	...		...	...		...	...	
Reserve for incomplete works ...	2,52,286	...	2,52,286			14,099	...		...	...		...	...		...	...	
Total, Civil Buildings ...	11,14,976	11,51,424	22,66,400	2,00,270	24,66,670	13,30,908	2,19,653	15,50,561	9,24,866	1,81,606	11,06,472	9,01,634	1,46,820	10,48,454	6,74,524	1,72,404	8,46,928
Communications.																	
1. Metalled roads raised and bridged.	2,98,100	36,000	3,34,100			3,46,250	1,35,819		4,30,596	1,34,541		2,52,498	1,13,961		3,00,194	77,786	
5. Boat bridges and ferries ...	...	...	...			...	...		...	...		...	...		...	...	
Navigable canals	...	...	...			...	— 465		...	...		...	13,756		...	8,041	
River improvements	...	...	...			...	...		...	...		...	...		...	...	
Minor works	...	9,000	9,000			...	...		...	...		...	...		...	...	
Total, Communications ...	2,98,100	45,000	3,43,100	1,06,200	4,49,300	3,46,250	1,35,354	4,81,604	4,30,596	1,34,541	5,65,137	2,52,498	1,27,717	3,80,215	3,00,194	85,827	3,86,021
Miscellaneous Public Improvements.																	
1. Town buildings	...	...	...			713	10,054		1,792	9,702		25,270	16,007		10,503	11,731	
3. Pavings and streets	...	...	...			...	190		...	...		224	...		1,925	615	
5. Water-supply	...	...	...			13,406	499		5,751	30		24,632	...		35,346	...	
6. Sewerage including drainage ...	...	...	...			...	767		...	978		...	893		...	923	
7. Harbour and navigation ...	...	...	...			29,605	3,134		8,360	1,630		6,993	2,088		1,350	1,600	
8. Light-houses	...	...	...			...	...		...	...		...	...		...	45	
9. Mines	...	...	...			...	...		...	...		...	...		...	...	
11. Miscellaneous	...	...	...			...	21		1,997	...		750	30		896	255	
Minor works	...	3,500	3,500			...	...		...	...		...	...		...	...	
Total, Miscellaneous Public Improvements	...	3,500	3,500	13,530	17,030	43,724	14,665	58,389	17,900	12,340	30,240	57,869	19,018	76,887	50,020	15,169	65,189
Total, Works ...	14,13,076	11,99,924	26,13,000	3,20,000	29,33,000	17,20,882	3,69,672	20,90,554	13,73,362	3,28,487	17,01,849	12,12,001	2,93,555	15,05,556	10,24,738	2,73,400	12,98,138
Establishment	...	...	...	...	4,90,000	...	...	5,00,000	...	...	5,71,710	...	...	5,39,617	...	...	5,83,106
Tools and Plant	...	...	...	...	1,00,000	...	...	68,046	...	...	24,991	...	...	57,095	...	...	50,220
Suspense	...	...	...	...	...	...	...	— 8,600	...	...	— 28,428	...	...	— 25,103	...	...	217
Profit and Loss	...	...	...	...	...	...	...	...	...	...	89	...	...	298	...	...	10,909
Grand Total ...	...	...	...	...	35,23,000	...	...	26,50,000	...	...	22,70,211	...	...	20,77,463	...	...	19,42,590

ABSTRACT OF THE FOREGOING PROVISION FOR TOOLS AND PLANT.

	Rs.	R
Total of the details shown above	1,26,669	1,2
Distribution of the above—		
Contribution from Imperial Military	1,100	
Do. from Imperial Civil Works	600	
Do. from Incorporated Local	232	
Do. from Excluded Local	275	
Do. from 43. Provincial Minor Works and Navigation	24,462	
		2
Balance to be provided from Provincial Civil Works ...	...	1

GOVERNMENT OF MADRAS.

APPENDIX E.

STATEMENT SHOWING THE APPROXIMATE PERCENTAGE WHICH THE CHARGES FOR ESTABLISHMENT BEAR TO EXPENDITURE ON WORKS, MADRAS PUBLIC WORKS, 1891-92.

Service.	Class.	New Works.	Repairs.	Total Outlay.	Establishment.	Percentage on Outlay.	Remarks.
		Rs.	Rs.	Rs.	Rs.	Rs.	
Provincial Civil Works.	Civil Buildings ...	22,66,400	2,00,270	24,66,670	...		
	Communications ...	3,43,100	1,06,200	4,49,300	...		
	Miscellaneous Public Improvements.	3,500	13,530	17,030	...		
	Total ...	26,13,000	3,20,000	29,33,000	4,90,000	16·7	
Incorporated Local Funds.	Civil Buildings ...	...	...	...	...		
	Communications ...	16,280	18,810	35,090	...		
	Miscellaneous Public Improvements.	...	...	...	...		
	Total ...	16,280	18,810	35,090	9,183	26·1	
Excluded Local Funds.	Civil Buildings ...	...	1,550	1,550	...		
	Communications ...	...	...	...	...		
	Miscellaneous Public Improvements.	8,930	7,816	16,746	...		
	Total ...	8,930	9,366	18,296	4,209	23·0	
Imperial ...	Military	26,300	45,000	71,300	16,600		
	Civil Works ...	22,500	16,000	38,500	8,500		
	Miscellaneous Public Improvements.	...	...	...	...		
	Barrack	...	...	...	...		
	Total ...	48,800	61,000	1,09,800	25,100	22·8	
35. Construction of Protective Irrigation Works.	......	2,81,301	...	2,81,301	64,699	22·9	
42. Major Works (Working Expenses).	......	89,140	5,33,276	6,22,416	4,47,483	71·8	
49. Capital Expenditure on Major Works.	......	10,82,139	...	10,82,139	2,37,745	21·9	
43. Provincial Minor Works and Navigation.	......	10,41,023	18,26,804	28,67,827	8,00,102	27·8	
Wards' Works ..	......	...	...	40,000	9,200	23·0	
	Grand Total ...	...	...	79,89,869	20,87,721	26·1	

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

Proceedings, Public Department, dated 20th March 1891, No. 282.
Letter from the Senior Medical officer, General Hospital, dated 16th March 1891, No. 773.
Endorsement thereon by the Surgeon-General, dated 19th March 1891, No. 229.
" " " Public Department " 26th " "
Letter from the Consulting Architect to Government, dated 17th April 1891, No. 255.
Office-note " " " " " 20th " " " 269.

Order—dated 30th April 1891, No. 1205 W., Public Works.

The estimates submitted with the papers recorded above are sanctioned as follows :—

	RS.
(1) Improvements to the Resident Surgeon's quarters, General Hospital—	
Main building	10,033
Out buildings	2,445
Total ...	* 12,478
(2) Sergeants' quarters—	
Main building	4,862
Out buildings	1,370
Total ...	† 6,232

* Provincial No. 8 W. of 1891-92. † Provincial No. 9 W. of 1891-92.

2. The Consulting Architect will at once proceed with the work, taking in hand first the improvements to the Resident Surgeon's quarters, the necessity for which is stated to be urgent.

3. The sanctions accorded in these Proceedings have been registered as shown against the estimates and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Consulting Architect to Government, with plans and estimates (10).
" Examiner, Public Works Accounts.
" Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 30th.

Recd. *Encl.*

G.O., 30th April 1891, No. 1205 W.

APRIL.

General Hospital, Madras

Estimates of Rs. 12,478 and Rs. 6,232 for improvements to the Resident Surgeon's and Sergeants' quarters at the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), dated 1st April 1891, Mis. No. 2062.

The Hon. J. Grose.

Read—the following letter from E. J. SEWELL, Esq., Acting Collector of Cuddapah, to the Secretary to the Commissioners of Land Revenue, dated 10th March 1891, Reference on Current No. 1667/Eng. :—

I have the honour to inform you that the police station-house and lines at Settigunta, Pullampet taluk, have been reported by the Executive Engineer to have been permanently vacated by that department and that they are available for occupation by any other department. The Deputy Collector, Sidhout division, on a reference made to him, has reported that the building (police station-house) is required for occupation as village chavadi. The Executive Engineer is of opinion that no money payment for the building in question is necessary. The present value of the building is fixed at Rs. 150 and that of the lines Rs. 50. I therefore request that the Board will be good enough to obtain the sanction of Government for occupation of the building in question by this department as village chavadi.

Resolution—dated 1st April 1891, Mis. No. 2062.

Submitted to Government with the Board's recommendation that orders may be issued for placing the police station-house at the disposal of the Collector for use as village chavadi.

(A true Copy and Extract.)

(Signed) H. A. SIM,
Acting Secretary.

No. 2350, Revenue.

Transferred to the Public Works Department.

Ootacamund,
14th April 1891.

(Signed) C. A. GALTON,
Secretary to Government.

ORDER—dated 30th April 1891, No. 1211 W., Public Works.

The building may be utilised as proposed.

(True Extract.)

(Signed) A. C. SMITH, Lieut.-Colonel, R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.
" Revenue Department.
" Judicial "

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated April, 30th.

Recd. *Encl.*

G.O., 30th April 1891, No. 1211 W.

APRIL.

Police Station

Authorising to utilise the — at Settigunta, Pullampet taluk, Cuddapah district, as village chavadi.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

BUILDINGS AND ROADS,

FOR THE MONTH OF APRIL 1891.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Relief Works in Chingleput.—Proceedings, Revenue Department, calling upon the Collector to report what works estimates are ready for — and the Public Works Department to report the estimates ready as regards Major Irrigation works, communicated to the Superintending Engineer, V Circle, and the Chief Engineer for Irrigation.	1st April 1891, No. 903 W.	......
Tunnel drilling machinery.—Telegram from the Colonial Secretary, Colombo, stating that the remaining portion of the — will be sent to the same address as before, recorded.	1st do. do. No. 904 W.	16th Mar. 1891, No. 766 W. 10th Mar. 1891, No. 1324 C. 21st Mar. 1891, No. 1627 C. 9th Mar. 1891, No. 1293 C. 14th Feb. 1891, No. 417 W. 10th Feb. 1891, No. 739 C-/A
Cash balances of the Cuddalore bridge works.—Passing orders regarding the neglect in not checking the — which should have been noticed by the Examiner, Public Works Accounts, from the original returns received in his office.	1st do. do. No. 905 W.	19th Jan. 1891, No. 170 W.
V. Vencatsawmy Iyer.—The employment of — as a temporary clerk in the Consulting Architect's office, sanctioned.	1st do. do. No. 906 W.	5th Mar. 1891, No. 1220 C.
V. Vencatsawmy Iyer, clerk, Consulting Architect's office.— Proceedings, Educational Department, exempting — from the examination rules, communicated to the Consulting Architect to Government.	1st do. do. No. 907 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
College of Engineering, Madras.—The estimate for repairs to the — returned to the Consulting Architect to Government for sanction and execution.	1st April 1891, No. 908 W.	......
Cuddalore bridge works sub-division.—The — directed to be closed from 1st April 1891 or such date as the establishment can be dispensed with.	1st do. do. No. 909 W.	6th Aug. 1888, No. 2386 W.
Jeypore Portfolio of Architectural details.—Proceedings, Educational Department, requesting the Government of India to supply copies of the — to the Consulting Architect to Government, communicated to the Consulting Architect.	1st do. do No. 910 W.	2nd Mar. 1891, No. 1116 C. 2nd Aug. 1890, No. 2113 W.
Bridges for the Vayitri-Gúdalúr Road.—Telegram to the Director-General of Stores informing that if the iron — is too late for despatch to detain them till the 15th September next when the monsoon is over.	2nd do. do. No. 911 W.	......
Iron record-racks for the Ganjam District Court.—Letter from the Superintending Engineer, I Circle, stating that — have already been supplied, communicated to the Judicial Department.	2nd do. do. No. 912 W.	19th Mar. 1891, No. 803 W.
Transfer of Funds.—Declining to accept certain — proposed by the Superintending Engineer, V Circle, as the official year has already expired.	2nd do do. No. 913 W.	8th Oct. 1889, No. 2812 W.
P. Kothandasawmy Pillay, clerk, South Arcot division.—The inclusion of the 19th December 1890, the day that the medical certificate of his incapacity for further service was received, in the period of his qualifying service for pension, sanctioned.	2nd do. do. No. 914 W.	......
Rate list, class F, station materials and fencing.—Resolution of the Government of India regarding — communicated to officers of the Public Works Department.	2nd do. do No 915 W.	......
Famine Relief works in the Kálahasti Zemindari.—Proceedings, Revenue Department, transferring Proceedings of the Board of Revenue regarding certain tanks being taken up as —, recorded.	3rd do. do. No. 916 W.	30th Mar. 1891, No. 1754 C. 21st Mar. 1891, No. 839 W. 16th Mar. 1891, No. 1477 C. 13th Mar. 1891, No. 726 W. 10th Feb. 1891, No. 377 W.
Establishment for the Chingleput division office.—Letter from the Superintending Engineer, V Circle, expressing regret that the additional — asked for by him has not been sanctioned, recorded.	3rd do. do. No. 917 W.	19th Mar. 1891, No. 807 W. 19th Mar. 1891, No. 1573 C. 28th Mar. 1890, No. 994 W.
District Gazettes.—Proceedings, Board of Revenue, amending S.O., No. 152, regarding supply — *gratis* to officers, recorded.	3rd do. do. No. 918 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Standing Order No. 219.—Proceedings, Board of Revenue, amending — regarding the disposal of old records, recorded.	3rd April 1891, No. 919 W.	......
Andiappa, late lascar, Tanjore Division.—Proceedings, Pension Department, granting an invalid pension to —, recorded.	3rd do. do. No. 920 W.	......
Madar Saib, late lascar, Godávari Eastern Division.—Proceedings, Pension Department, granting an invalid pension to —, recorded.	3rd do. do. No. 921 W.	......
Standing Order No. 178.—Proceedings, Board of Revenue, amending —, recorded.	3rd do. do. No. 922 W.	......
Marine Villa, Madras.—Letter from the Consulting Architect to Government stating that it is too late to spend the grant allotted for the coach house, &c., for the — in the current official year, recorded.	3rd do. do. No. 923 W.	......
Famine Code.—Note by the Chief Engineer, Public Works Department, regarding the application of the — on relief works, recorded.	3rd do. do. No. 924 W.	......
Messrs. Groves and Co.—Letter from — forwarding copy of telegram giving their telegraphic address, recorded.	3rd do. do. No. 925 W.	31st Mar. 1891, No. 899 W.
Government Telephonu communication—Proceedings, Marine Department, recording letter to the Director-General of Telegraphs from the Public Works Department regarding the inefficient character of the —, recorded.	3rd do. do. No. 926 W.	......
Kálahasti Zemindary.—Proceedings, Financial Department, recording Proceedings, Board of Revenue, stating that the Collector of North Arcot asks for Rs. 10,000 under the Land Improvements Act, but that it will allot Rs. 6,000 and apply to Government for more if required, recorded with reference to G.O., No. 896 W., dated 30th March 1891.	3rd do. do. No. 927 W.	......
Expenditure over Budget grants.—Proceedings, Financial Department, passing orders in connection with a letter from the Government of India regarding — under Provincial and Local services, recorded.	3rd do. do. No. 928 W.	13th Dec. 1890, No. 747 I. 8th Jan. 1891, No. 74 W. 15th Jan. 1891, No. 44 I. 23rd Feb. 1891, No. 489 R.
Statement of unauthorised appropriations in February 1891, forwarded to the Accountant-General.	3rd do. do. No. 929 W.	......
Mr. G. P. Carless, Executive Engineer.—Ordered that the Government of India be addressed regarding the arrears of furlough allowances due to —.	3rd do. do. No. 930 W.	26th Feb. 1891, No. 547 W. 20th Feb. 1891, Nos. 500-501 W. 18th Feb. 1891, No. 470 W. 2nd Feb. 1891, No. 574 C.
The Government of India addressed on the subject.	3rd do. do. No. 931 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Photographer in the Public Works Department of the Straits Settlement.—The Colonial Secretary, Singapore, informed that Corporal Terris, R E., is not qualified for the post of — and suggesting to apply to the Assistant Surveyor-General, Zincographic Office at Calcutta, to nominate a man.	3rd April 1891, No. 932 W.	......
Gosha Hospital, Madras.—The Assistant Resident in Hyderabad informed that the plans of the — were forwarded with letter No. 859 W., dated 23rd March 1891.	3rd do. do. No. 933 W.	......
Road over the Kistna Anicut.—Letter from the Superintending Engineer, II Circle, requesting to allot Rs. 3 in addition to Rs. 1,590 allotted for the —, communicated to the Examiner, Public Works Accounts, with remarks.	3rd do. do. No. 934 W.	4th Mar. 1891, No. 613 W. 29th Oct. 1890, No. 2875 W. 12th Sept. 1890, No. 2447 W.
Relief Works in the Kálahasti Zemindari.—Letter from the Superintending Engineer, IV Circle, reporting on certain clerical errors in one of his letter relating to —, recorded.	3rd do. do No. 935 W.	......
Government of India circulars applicable to all branches of the Public Works Department.—The Government of India requested to send — to the Secretary to this department, as the practice of sending them to Joint Secretaries lead to inconvenience in their disposal and applying of Circular No. 2 R., dated 10th February 1891.	4th do. do. No. 936 W.	......
Mr. F. Morrison, Examiner, second class.—Ordered that the last pay certificate of — be forwarded to the Home Government.	4th do. do. No. 937 W.	......
Forwarded	4th do. do. No. 938 W.	......
Officers proceeded to England with last pay certificates.—Ordered that the Under Secretary of State for India be informed that no — whose absentee allowances are not wholly chargeable to Indian revenues.	4th do do. No. 939 W.	......
The Under Secretary of State for India informed accordingly.	4th do. do. No. 940 W.	......
Dates of receipt of accounts for February 1891.—Return submitted by the Examiner, Public Works Accounts, showing —in his office, recorded.	4th do. do. No. 941 W.	......
Latrine to the District Munsif's Court at Tirupati.—The Judicial Department informed that the Executive Engineer, North Arcot Division, has been authorised to construct the —.	4th do. do. No. 942 W.	17th Sept. 1890, No. 2485 W.
Groynes at Negapatam.—Proceedings, Marine Department, declining to sanction a further grant for completing the — pending report from the Public Works Department, recorded with reference to G.O., No. 586 W., dated 3rd March 1891.	4th do. do. No. 943 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Relief works in the Chingleput District.—Proceedings, Revenue Department, passing orders regarding the opening of — in certain taluks and to strengthen the staff of overseers, &c., communicated to the Chief Engineer for Irrigation and the Superintending Engineer, V Circle.	4th April 1891, No. 944 W.	......
Famine Relief Works in the Cuddapah District.—Report of Imperial works selected for —, communicated to the Revenue Department.	6th do. do. No. 951 W.	......
"*Scrub exterminator*".—Letter from the Colonial Secretary, Cape Town, requesting to inform the results of the trial of the —, communicated to the Superintending Engineer, II Circle, and Superintendent of Works, No. I Periyár division.	6th do. do. No. 953 W.	6th Jan. 1891, No. 37 W. 25th Nov. 1890, No. 3140 W. 20th Feb. 1890, No. 556 W. 21st Nov. 1889, No. 5445 C.
Establishment disallowance items.—Statement forwarded by the Examiner showing the progress made in the adjustment of — in the account for November 1890.	6th do. do. No. 954 W.	20th Mar. 1891, No. 817 W.
Extra clerks in the Bellary division.—The arrangement made by the Superintending Engineer, III Circle, for —, sanctioned.	6th do. do. No. 955 W.	17th Nov. 1890, No. 3056 W. 23rd July 1890, No. 2011 W. 31st Mar. 1885, No. 803 W. 4th Feb. 1891, No. 613 C.
Mr. deWinton, Executive Engineer.—Letter from the Government of India forwarding correspondence relative to a censure passed on — in connection with the preparation of the project for the Bangalore water-supply.	6th do do. No. 958 W.	......
Statement of payments made in England on account of stores and freight, &c., in February 1891, communicated to the Superintending Engineer, V Circle, and the Examiner, Public Works Accounts.	6th do. do. No. 959 W.	6th April 1891, No. 662 W.
English stores.—The local purchase of certain — for the Public Works Stores division, sanctioned.	6th do. do. No. 960 W.	2nd July 1886, No. 1679 W. 25th Jan. 1886, No. 202 W.
Mr. Dias, late clerk in the Wynaad Sub-division.—Declining to interfere in the case of — dismissed for continued absence from duty.	6th do. do. No. 961 W.	......
Forms of muster roll and daily report.—Two spare copies each of the Government of India sample — forwarded to the Superintendent of Works, No. I Periyár division, and the Executive Engineer, Rushikulya Project.	6th do. do. No. 962 W.	......
Superintending Engineer, VI Circle.—The journey of — from Pámban to Negapatam and Trichinopoly, sanctioned.	6th do. do. No. 963 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mr. A. S. Russell, Executive Engineer, Buckingham Canal division.—The grant of Presidency allowance to —, sanctioned.	6th April 1891, No. 964 W.	......
Colonel C. Bowen, R.E., Chief Engineer, Mysore.—Letter from the Resident, forwarding the promotion recommendation roll of —, recorded.	7th do. do. No. 965 W.	......
Bi-monthly return of stores under provision by the Director-General of Stores for India up to 31st January 1891, communicated to the officers concerned. A copy ordered to be forwarded to the Government of India.	7th do. do. No. 966 W.	8th Jan. 1891, No. 68 W.
Forwarded	7th do. do. No. 967 W.	......
Sub-Conductor McAlister.—The retrenchment of Rs. 81-4-8 against — ordered to be made in five montly instalments.	7th do. do. No. 968 W.	16th April 1890, No. 1128 W. 13th Mar. 1891, No. 1411 C. 25th April 1887, No. 1137 W.
Report on famine tools.—Directing the submission of a separate — immediately after the despatch of the half-yearly return of tools and plant.	7th do. do. No. 972 W.	20th Feb. 1891, No. 507 W.
Quarters.—Declining to grant free — or compensation in lieu thereof to the Engineer subordinates in No. II Periyár division.	7th do. do. No. 973 W.	......
Mr. J. W. Martin, Officiating Superintending Engineer, VI Circle.—Investing — with certain additional powers of sanction.	7th do. do. No. 974 W.	......
Cuddalore Bridge Works.—The retention on the — of certain establishment during March 1891 and thereafter until the accounts of the work have been closed, sanctioned.	7th do. do. No. 975 W.	28th Mar 1890, No. 994 W. 20th Mar. 1891, No. 1592 C.
"*Ghât Tracers.*"—The Superintending Engineer, V Circle, directed to forward to the Surveyor-General, Hongkong, two — and to report the despatch of the same.	7th do. do. No. 976 W.	9th Mar. 1886, No. 638 W. 19th Feb. 1886, No. 671 C. 5th Nov. 1885, No. 1758 C. 8th Sept. 1885, Nos. 2096-97 W. 29th July 1885, Nos. 1747-48 W. 23rd July 1885, No. 1271 C. 19th April 1883, Nos. 1178-79 W.
A. Rungasawmi Moodelly, Acting Superintendent, Aliabad anicut.—Proceedings, Educational Department, exempting — from the examination rules from the 29th November 1890 to the date of his relief by the permanent incumbent.	7th do. do. No. 977 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Scale of Executive and Assistant Engineers.—Letter from the Government of India authorising to revise the — from the date on which each student of the Madras Civil Engineering College joins the department for duty on first appointment, communicated to the Examiner, Public Works Accounts.	7th April 1891, No. 978 W.	......
Issue of supplementary credits.—The introduction into the Public Works Code of the rules proposed by the Examiner, Public Works Accounts, for regulating the — at the end of each month, sanctioned.	7th do. do. No. 979 W.	......
Journey of the Sub-divisional officer, Salem.—The — and his overseer from Sankaridrug to Thathiengarpett *viâ* Kulitalai and Musiri, sanctioned.	7th do. do. No. 980 W.	......
Famine Relief Works in North Arcot district.—Proceedings, Revenue Department, approving the proposals of the Board of Revenue for employing famine labourers and for drafting them for duty on —, communicated to the Chief Engineer for Irrigation and the Superintending Engineer, IV Circle.	8th do. do. No. 984 W.	......
Military cemetery at Bellary.—The purchase of the well and land adjoining the —, sanctioned with remarks.	8th do. do. No. 985 W.	19th Mar. 1891, No. 1555 C.
Groyne at Vizagapatam.—Proceedings, Marine Department, sanctioning the construction of a —, communicated to the Superintending Engineer, I Circle.	8th do. do. No. 986 W.	12th Mar. 1891, No. 1406 C. 19th Dec. 1890, No. 5350 C.
Building purchased for the Yercaud Rifle Volunteers.—Passing orders regarding the adjustment of the cost of the —.	8th do. do. No. 987 W.	2nd Mar. 1891, No. 1121 C. 19th Jan. 1891, No. 297 C. 3rd Feb. 1891, No. 330 R. 13th Mar. 1883, No. 823 W. 2nd Feb 1891, No. 303 W.
Lodging allowance at the Indian rate.—Ordered that the Government of India be requested to explain the expression —, communicated in one of its letters.	8th do. do. No. 988 W.	......
The Government of India requested accordingly.	8th do. do. No. 989 W.	......
Government telephonic communication.—Letter from the Director-General of Telegraphs informing the steps taken to remedy the inefficiency of —, communicated to the Marine Department.	8th do. do. No. 990 W.	14th Mar. 1891, Nos. 759-60 W. 19th Nov. 1890, No. 3090 W.
Mr. H. E. Clerk, Executive Engineer.—Ordered that the last-pay certificate of —, be forwarded to the Home Government.	8th do. do. No. 991 W.	......
Forwarded	8th do. do. No 992 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Major S Smith, R.E., Executive Engineer.—Ordered that the last-pay certificate of —, be forwarded to the Home Government.	8th April 1891, No. 993 W.	......
Forwarded	8th do. do. No 994 W.	......
Mr. J. P. Davidson, Executive Engineer—Remarks of the members of Government on note by Colonel Pennycuick, R.E., regarding the deputation of — to the Periyár Project Works, recorded.	8th do. do. No. 995 W.	.....
Quarters for Engineer students employed in No. II Periyár division.—Letter from Superintending Engineer, VI Circle, requesting reply to letter regarding provision for —, recorded with reference to G.O., No. 973W., dated 7th March 1891.	9th do. do. No. 999 W.	7th Feb. 1890, No. 409 W. 7th April 1891, No. 793 W.
Report on Native newspapers for the fortnight ending 15th February 1891, recorded.	9th do. do. No. 1002 W.	......
Bridge over Ryves' Canal.—Proceedings, Revenue Department, sanctioning funds for the construction of a —, recorded.	9th do. do. No. 1003 W.	1st Dec. 1890, No. 700 I. 7th Jan. 1891, No. 51 W. 23rd Feb. 1891, No. 526 W.
Tools in the Coimbatore division.—The transfer of certain — from famine to ordinary, sanctioned.	10th do. do. No. 1006 W.	14th Aug. 1890, No. 2205 W. 5th June 1890, No. 1552 W. 7th Nov. 1884, No. 2787 W. 8th Dec. 1883, No. 2453 C.
Temporary peons.—The employment of two — for the Public Works Secretariat at Ootacamund, sanctioned.	10th do. do. No. 1007 W.	4th May 1887, No. 1223 W. 23rd Aug. 1888, No. 2606 W. 15th April 1889, No. 1033 W. 19th April 1890, No. 1160 W.
Journey of the Superintending Engineer beyond the limits of the V Circle.—The — to visit famine relief works in Tiruvalúr taluk and Kálahasti, sanctioned.	10th do. do. No. 1008 W.	......
Constructing a well for the Police lines at Kota.—The proposal of the Superintending Engineer, I Circle, for advancing Rs. 100 to a contractor for —, sanctioned.	10th do. do. No. 1009 W.	......
Bungalow at old Vennaur head in Tanjore division.—The transfer of the — to the Trichinopoly division, sanctioned.	10th do. do. No. 1010 W.	......
Fatal accident on the Potinghi Ghát Road.—Further report on the — on the 31st October 1890, recorded.	10th do. do. No. 1011 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
T. Saminadha Pillay, clerk, taluk office, Trichinopoly.—Informing — that appointments such as he seeks are in the gift of heads of offices.	10th April 1891, No. 1013 W.	......
Post offices at Udayagiri and Balliguda.—Letter from the Superintending Engineer, I Circle, furnishing explanation for the surrenders made from grants for the —, communicated to the Examiner of Public Works Accounts.	10th do. do. No. 1014 W.	23rd Mar. 1891, No. 863 W. 17th Mar. 1891, No. 782 W. 5th Mar. 1891, No. 627 W. 25th Feb. 1891, No. 546 W. 13th Nov. 1890, No. 3017 W. 15th Sept. 1890, No. 2465 W. 5th Nov. 1890, No. 2930 W. 10th Oct. 1890, No. 2668 W. 15th Oct. 1890, No. 2745 W. 16th Sept 1890, No. 2465 W. 5th Feb. 1886, No. 318 W.
Taluk Roads in the station of Bangalore.—Proceedings, Military Department, approving the proposal to transfer the charge of the maintenance of the — to the Military Works Department, recorded.	11th do. do. No 1015 W.	......
Despatches received from Her Majesty's Secretary of State for India.—Forwarding to the Under Secretary of State list of — and remaining unanswered at the end of the quarter ending 31st March 1891.	11th do. do. No. 1016 W.	......
Unanswered references from the Government of India, Military Department.—Quarterly statement of — for quarter ending 31st March 1891.	11th do. do. No. 1017 W.	......
Women and Children's Hospital.—The Consulting Architect to Government authorised to collect materials for constructing the new — and requesting the Indian and Medical Department to close the road to the east of the Medical College leading from the Poonamallee road to the Wallajah bridge and the Consulting Engineer, for Railways, requested to arrange for the removal of the level crossing.	11th do. do. No. 1018 W.	6th Nov. 1890, No. 2943 W. 20th Oct. 1890, No. 2787 W.
Sawpit account of the Kistna Eastern division office.—Letter from the Superintending Engineer, II Circle, forwarding Divisional officer's letter regarding — and that a further report will be submitted, recorded.	11th do. do. No. 1019 W.	......
Relief-works in the Chingleput district.—Proceedings, Revenue Department, passing orders on the inspection report of the Superintending Engineer, V Circle, in connection with the —, communicated to the Superintending Engineer, V Circle.	13th do. do. No. 1020 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Relief-works in the Cuddapah division.—Temporary establishment required for working up estimates for famine —, sanctioned.	13th April 1891, No. 1021 W.	......
Willowbund, Ootacamund.—Proceedings, Local and Municipal Department, directing the Public Works Department to pay to the Municipal Council Rs. 20, the cost of the disinfecting powder used for disinfecting the portion of the lake near the —, communicated to the Superintending Engineer, IV Circle.	13th do. do No. 1022 W.	......
Suit.—The defence of the — brought by the Pulienjary mirasidars of the Tanjore district on account of the closing of a sluice in the Cauvery left bank near the Pulienjary, sanctioned.	13th do. do. No. 1029 W.	......
K. Ramiah, Cashier, Kistna Eastern division.—Sanctioning a travelling allowance of Rs. 7 per mensem to —.	13th do. do. No. 1030 W.	......
Surplus stores available in the Coorg Public Works Department.—The list of —, communicated to the Superintending Engineer, V Circle.	13th do. do. No. 1031 W.	......
Exemption from Municipal taxes of animals and vehicles belonging to Government.—Proceedings, Local and Municipal Department, communicating to the Public Works Department the Advocate-General's opinion as to the interpretation of sections 78 and 85 of Act IV of 1884 regarding the —, communicated to the Superintending Engineer, II Circle, also to other Superintending Engineers, and Examiner, Public Works Accounts, for information.	13th do do. No. 1032 W.	......
Police station-house at Alúr, Nellore district.—Item No. 92 —, of the preliminary issue of the Provincial Civil Works budget for 1891-92, ordered to be eliminated in the final issue.	13th do. do. No. 1033 W.	......
Exemption from Municipal taxes of animals and vehicles belonging to Government.—Letter from the Superintending Engineer, II Circle, requesting reply to letter regarding —, recorded with reference to G.O., No. 1032 W., dated 13th April 1891.	13th do. do. No. 1034 W.	......
Memorials addressed to the Secretary of State withheld by the Government of Madras in the Public Works Department.—*Nil* list of — for quarter ending 31st March 1891.	13th do do. No. 1035 W.	9th Jan. 1891, No. 82 W.
Memorials addressed to the Secretary of State, withheld by the Government of Madras in the Public Works Department.—*Nil* list of — for quarter ending 31st March 1891.	13th do. do No. 1036 W.	9th Jan. 1891, No. 81 W.
Lighthouse, Madras.—Proceedings, Marine Department, requesting to expedite the submission of the plan, &c., for the location of the light in the tower of the High Court buildings, recorded with reference to G.O., No. 1026 W., dated 13th April 1891.	13th do. do. No. 1037 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Inspection notes of the Kurnool division.—Remarks of the Examiner of Public Works Accounts on explanation of the Superintending Engineer, VI Circle, on certain points noticed in the —, communicated to Superintending Engineer, III Circle, with remarks.	13th April 1891, No. 1038 W.	7th Mar. 1891, No. 1256 C. 17th Mar. 1891, No. 1490 C. 11th Mar. 1891, No. 1385 C. 7th Mar. 1891, No. 1275 C. 27th Jan. 1891, No. 463 C. 29th Oct. 1890, No. 4416 C. 5th Dec. 1890, No. 5057 C. 20th Aug. 1890, No. 1478 W. 25th April 1890, No. 2030 C. 14th April 1890, No. 1835 C. 15th Mar. 1890, No. 1427 C. 12th Mar. 1890, No. 1355 C. 3rd Feb. 1890, No. 873 C. 15th Jan. 1890, No. 239 C. 16th Jan. 1890, No. 253 C. 6th Jan. 1890, No. 37 C. 17th Dec. 1889, No. 5884 C. 24th Jan. 1890, No. 235 W. 20th Jan. 1890, Nos. 33-34 I. 5th Dec. 1889, No. 5707 C. 27th Aug. 1889, No. 2360 W. 1st May 1889, No. 2114 C. 16th Feb. 1889, No. 479 W.
Famine relief Works in Cuddapah.—Proceedings, Revenue Department, recording Proceedings, Board of Revenue, submitting, with remarks, list of —, and directing the Collector to report for how many of the works specified estimates are ready and what steps are being taken to prepare estimate for those which have not already been estimated for communicated to the Superintending Engineer, III Circle.	13th do. do. No. 1039 W.	......
Steam launch for the Periyár Project.—Orders on telegram from Colonel Pennycuick, R.E., stating that he has purchased the — from Messrs. Glover and Co., and that he embarks for England on the afternoon of the 7th instant.	15th do. do. No. 1040 W.	3rd April 1891, No. 925 W. 31st Mar. 1891, No. 899 W. 20th Mar. 1891, No. 1611 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued.*) 4th Mar. 1891, No. 208 I. 26th Sept. 1889, No. 2695 W. 15th Oct. 1888, No. 3278 W. 11th Sept. 1888, No. $\frac{2828\ W}{A.}$
Chicacole Municipal budget.—Proceedings, Local and Municipal Department, reviewing the — for 1891-92.	15th April 1891, No. 1042 W.	24th July 1890, No. 2032 W. 4th Aug. 1885, No. 1816 W. 4th July 1885, No. 310 E.
Transfer of an Accountant.—The — proposed by the Examiner, Public Works Accounts, sanctioned.	15th do. do. No. 1043 W.	.....
Adjustment of different classes of transactions between England and India.—The modifications proposed by the Examiner of Public Works Accounts of paras. 2041 to 2050-B relative to the —, sanctioned.	15th do. do. No. 1044 W.	......
Famine tools.—Estimate of Rs. 1,220 for the carriage of — from Cumbum to Kurnool, sanctioned.	15th do. do. No. 1045 W.	24th Feb. 1891, No. 1041 C.
R. Strinivasa Raghava Iyengar, late a Wharf Superintendent.—Declining to make any concession on behalf of —.	15th do. do. No. 1046 W.	20th Mar. 1891, No. 1608 C. 13th Mar. 1891, No. 1422 C. 19th Feb. 1891, No. 937 C. 7th Feb. 1891, No. 353 W. 9th Sept. 1890, No. 3685 C. 26th Aug. 1890, No 3528 C. 18th Aug. 1890, No. 3445 C. 10th Feb. 1890, No. 735 C.
Stock Inspectors.—Passing orders on the proposal of the Superintending Engineer, II Circle, to employ — as cashiers on famine relief works at the Pulicat diversion.	15th do. do. No. 1047 W.	......
Taluk office at Masulipatam.—The plan and estimate for constructing a —, returned to the Superintending Engineer, II Circle, to be revised and submitted on receipt of the revised type design for taluk cutcherries now under preparation, and authorising to collect the materials in the meanwhile from the grant provided for the work in the Provincial budget for 1891-92.	15th do. do. No. 1048 W.	15th Mar. 1891, No. 881 W.
Manapad Lighthouse.—Proceedings, Marine Department, directing that the parapets should be raised a foot and canvas blinds provided for the —, communicated to the Superintending Engineer, VI Circle	16th do. do. No. 1049 W.	10th Mar. 1891, No. 688 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Quarters for the Sergeant Instructor, Coimbatore Volunteer Rifles.—The hiring of — at a rent exceeding the authorised scale, sanctioned.	16th April 1891, No. 1050 W.	3rd Feb. 1891, No. 315 W.
Supervisor T. C. Fitzgerald.—The salary due to the late —, directed to be paid to his widow.	16th do. do. No. 1051 W.	......
Surrender.—Proceedings, Revenue Department, forwarding Proceedings of the Court of Wards accepting the surrender of Rs. 2,000, from the grant for current year for the Bodderi anicut in Chidikadu estate, approved.	16th do. do. No. 1052 W.	4th Mar. 1891, No. 1170 C. 23rd Aug. 1890, No. 2289 W. 9th Aug. 1890, No. 2166 W. 19th June 1890, No. 319 D. 30th May 1890, No. 1515 W.
Gaddilam Bridge.—Letter from the Superintending Engineer, V Circle, submitting letter from the Executive Engineer, Cuddalore bridge works, proposing to hand over the — to the District Board, communicated to the Local and Municipal Department for orders.	16th do. do. No. 1053 W.	1st April 1891, No. 909 W. 9th July 1889, No. 1821 W. 13th June 1889, No. 2771 C. 21st Mar. 1889, No. 1480 C. 20th Feb. 1889, No. 514 W. 15th Sept. 1888, No. 2899 W. 3rd July 1888, No. 1984 W. 16th Feb. 1888, No. 527 W. 21st Nov. 1887, No. 3148 W.
Mr. J. W. Martin, Officiating Superintending Engineer, VI Circle.—Authorising — to exercise the powers conferred on him in G.O., No. 1222 W., dated 24th April 1890, while acting as Superintending Engineer, VI Circle.	16th do. do. No. 1054 W.	12th Mar. 1888, No. 810 W. 7th April 1891, No. 974 W. 24th April 1890, No. 1222 W. 10th Mar. 1891, No. 687 W. 21st Dec. 1888, No. 3999 W.
Mr. A. W. J. Tims, Temporary Overseer, North Arcot division.—The grant of an advance of a month's pay to —, sanctioned.	16th do. do. No. 1055 W.	25th Mar. 1891, No. 1715 C. 23rd Mar. 1891, No. 1865 C. 21st Mar. 1891, No. 1644 C. 7th Jan. 1891, No. 57 C.
Old District Munsif's Court-house at Karempudi.—Letter from the Superintending Engineer, II Circle, requesting to postpone the transfer of the — to the Forest Department, as it is required by the Tank Restoration Party, approved.	16th do. do. No. 1056 W.	12th Mar. 1891, No. 707 W. 10th Jan. 1891 No. 104 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Tools and plant return of the Bellary division.—The proposal of the Superintending Engineer, III Circle, to write off the — five crowbars and Sevenledge hammers lent to a contractor and not returned, sanctioned.	16th April 1891, No. 1057 W.	4th Feb. 1890, No. 378 W.
New barracks at Calicut.—The Government of India requested to return the plans of the — at an early date.	17th do. do. No. 1059 W.	30th Mar. 1891, No. 1749 C. 10th Dec. 1890, No. 5155 C. 13th Nov. 1890, No. 3015 W. 12th May 1890, Nos. 1338-39 W.
Urinal and latrine for the use of the clerks of the Government Secretariat in Fort St. George.—The Consulting Architect to Government requested to submit plans and estimates for the — at a very early date.	17th do. do. No. 1060 W.	......
Wave-breaker crane for the Madras Harbour Works.—Letter from the Director-General of Stores stating that the — will be completed by the end of April 1891, communicated to the Chairman, Harbour Trust Board.	17th do. do. No. 1061 W.	27th Mar. 1890, Nos. 985—87 W. 20th Oct. 1890, No. 2777 W. 29th Oct. 1890, No. 2874 W.
Mr. C. Mildred, Assistant Engineer, Kandukur, Sub-division.—The purchase of a pony by — from a land owner in Kandukúr, taluk, sanctioned.	17th do. do. No. 1062 W.	......
Lascars in the Kálahasti Sub-division.—The advance of a month's pay each to two —, sanctioned.	17th do. do. No. 1063 W.	......
Sub-divisions of the South Arcot division.—Letter from Superintending Engineer, V Circle, forwarding letter from Executive Engineer stating that he will inspect the — as soon as he can, recorded with remarks.	17th do. do. No. 1064 W.	......
Madras Archæological Survey expenditure.—Proceedings, Financial Department, recording resolution of the Government of India directing that the — be provincialised with effect from 1891-92, recorded.	17th do. do. No. 1065 W.	......
Charges on account of the steamer "Kistna."—Proceedings, Marine Department, communicating decision of the Government of India that the — recently hired for the inspection of the Laccadives be debited to Marine, recorded.	17th do. do. No. 1066 W.	......
Estate Works.—Proceedings, Revenue Department, communicating Proceedings of the Court of Wards communicating with instructions budget estimates of — proposed to be carried out by the Public Works Department in 1891-92, communicated to officers concerned.	17th do. do. No. 1067 W.	......
Surrender of grant for constructing a road dam on the Arni-Wandiwash road.—Explanation of the Executive Engineer, North Arcot division, for the —, recorded.	17th do. do. No. 1069 W.	2nd Feb. 1891, No. 301 W. 11th Mar. 1891, No. 697 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Returns received in the offices of the Secretary to Government, Public Works Department, for the official year.—The list of —, recorded with remarks.	17th April 1891, No. 1070 W.	17th Jan. 1891, No. 162 W. 13th Aug. 1890, No. 2201 W.
Water-supply of Berhampore.—Report of the Superintending Engineer, I Circle, that the plans and estimates for the — were submitted to the Municipal Council, communicated to the Local and Municipal Department.	18th do. do. No. 1072 W.	3rd Mar. 1891, No. 589 W. 20th Jan. 1891, No. 183 W. 15th Dec. 1890, No. 3331 W. 21st April 1890, No. 1176 W. 24th Jan. 1890, No. 236 W. 17th Dec. 1889, Nos. 3583-84 W. 26th Jan. 1888, No. 324 W. 4th Dec. 1886, No. 3214 W.
Return of Public (Military) Buildings in Trichinopoly.—Ordered that four copies of each — for the year ending 31st March 1891, be forwarded to the Government of India.	18th do. do. No. 1073 W.	......
Forwarded	18th do. do. No. 1074 W.	......
Mr. Irwin, Consulting Architect to Government.—The request of — to be promoted to the rank of Chief Engineer, considered inadmisible.	18th do. do. No. 1075 W.	......
Delhi gate at Arcot.—Orders on letter from the Superintending Engineer, IV Circle, for carrying out certain repairs to the — and for employing a sepoy pensioner to be in charge of it.	18th do. do. No. 1076 W.	26th Jan. 1891, No. 244 W. 20th Jan. 1891 No. 186 W.
Rámesvaram ship canal.—Ordered that the Government of India be informed that the Proceedings of Government embodying the details of the — were placed at the disposal of the Madras press by the order of the member of Government in charge of the Public Works Department at the time.	18th do. do. No. 1080 W.	14th Oct. 1890, Nos. 2688-89 W.
The Government of India informed accordingly.	18th do. do. No. 1081 W.	......
District Board's budget, Salem, for 1891-92.—Proceedings, Local and Municipal Department, reviewing the —, communicated to the Superintending Engineer, IV Circle.	18th do. do. No. 1083 W.	......
District Board's budget Nilgiri, for 1891-92.—Proceedings, Local and Municipal Department, reviewing the —, communicated to the Superintending Engineer, IV Circle.	18th do. do. No. 1084 W.	......
Major C. H. P. Christie, R.E., Examiner, Public Works Accounts, Madras.—Application from — for six months' special leave on urgent private affairs, ordered to be forwarded to the Government of India.	20th do. do. No. 1087 W.	......
Forwarded	20th do. do. No. 1088 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Administration report of the Public Works Department, Madras, for 1889-90.—Copies of the —, forwarded to the Public Works Department, Burma.	20th April 1891, No. 1093 W.	......
Surrenders.—Letter from the Superintending Engineer, I Circle, explaining the necessity for surrendering certain sums allotted for the Deputy Thasildars and subjail at Gajapatinágar and Police huts at Párvatipur, recorded.	20th do. do. No. 1094 W.	3rd Mar. 1891, No. 608 W. 18th Feb. 1891, No. 469 W.
Administration of Local funds.—Proceedings, Local and Municipal Department, reviewing the — under Act V of 1884 for the year 1889-90, communicated to Superintending Engineer for information.	20th do. do. No. 1095 W.	......
Census.—Report of the results of the — of 1891, recorded, with remarks, communicated to officers of the Public Works Department for information.	20th do. do. No. 1096 W.	......
Clerks in the Bellary division.—Explanation of the Executive Engineer in charging the pay of certain — to establishment, recorded.	20th do do. No. 1097 W.	......
Post office at Kávali, Nellore district.—Allotting Rs. 21 for repairs to the —.	20th do. do. No. 1098 W.	......
Old District Munsif's Court-house at Karúr.—Proceedings, Public Department, intimating that the — was handed over to the Rev. Mr. Little personally for his Industrial school, communicated to the Examiner, Public Works Accounts.	20th do. do. No. 1099 W.	......
English stores.—The local purchase of certain — for the Public Works Workshops, sanctioned.	20th do. do. No. 1100 W.	......
English stores for the Kistna Eastern division.—The local purchase of certain —, sanctioned.	20th do. do. No. 1104 W.	......
Mr. C. H. T. Norfor, Executive Engineer, Negapatam division.—Orders on application of — claiming a charge allowance of Rs. 100 for holding charge of two divisions.	20th do. do. No. 1105 W.	1st April 1891, No. 1766 C.
Shatiatope anicut.—Proceedings, Local and Municipal Department, communicating, with remarks, to the District Boards, South Arcot and Tanjore, Government Order, Public Works Department, replacing at the disposal of the Local and Municipal Department the sum surrendered from the current year's grant for the —, communicated to the Superintending Engineer, V Circle, and Examiner, Public Works Accounts.	20th do. do. No. 1106 W.	19th Dec. 1889, Nos. 3607-8 W. 20th Oct. 1890, No. 2770 W. 20th Dec. 1890, Nos. 3398-99 W. 22nd Nov. 1890, No. 4847 C. 3rd Mar. 1891, No. 591 W. 13th Mar. 1889, No. 730 W.
Type designs for taluk offices.—Report of the Consulting Architect to Government that the whole of the —, will be submitted within the current month, recorded.	20th do. do. No. 1108 W.	4th Dec. 1890, No. 3208 W. 11th Nov. 1890, No. 2976 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued.*) 18th Aug. 1890, No. 2246 W. 16th Sept. 1890, No. 2478 W.
Taluk Cutcherry at Pullampet.—The demolition of the —, sanctioned with remarks.	21st April 1891, No. 1109 W.	27th Oct. 1890, No. 2837 W.
Old Taluk Cutcherry at Pullampet.—Letter from the Postmaster-General stating that the — is not fit to be used for a Post office in its present state, recorded.	21st do. do. No. 1110 W.	27th Oct. 1890, No. 2837 W.
Removal of Military officers from the Service.—Proceedings, Military Department, on the subject of — without trial by Court-martial, recorded.	21st do. do. No. 1111 W.	......
Mr. J. W. Walsh, Supervisor.—Proceedings, Local and Municipal Department, stating that no reference was made to the Government of India regarding the temporary transfer of — to the Kumbakónam Municipality, communicated to the Examiner, Public Works Accounts.	21st do. do. No. 1112 W.	23rd Mar. 1898, No. 1668 C. 21st Mar. 1891, No. 1614 C. 26th Feb. 1891, No. 1079 C. 9th Feb. 1891, No. 701 C. 17th Jan. 1891, No. 278 C. 6th Jan. 1891, No. 30 C. 17th Dec. 1890, No. 5294 C. 12th Dec. 1890, Nos. 5189-90 C. 10th Dec. 1890, No. 5160 C. 5th Dec. 1890, No. 5055 C. 3rd Dec. 1890, No. 5008 C. 27th Nov. 1890, No. 4918 C. 11th Nov. 1890, No. 4630 C. 3rd Nov. 1890, No. 4502 C. 12th April 1890, No. 1819 C. 9th Aug. 1889, No. 652 D. 27th June 1889, No. 1659 W. 31st May 1889, No. 2569 C.
Mr. A. P. D'Rozario, Sub-Overseer, No. I Periyár Division.—The grant of an advance of pay to — who has been granted privilege leave, sanctioned.	21st do. do. No. 1113 W.	......
Supervisors Dennehy and Donoghue, Kurnool Division.—Directing to refund the rents recovered from— for periods of non-occupation and compulsory accupation of public quarters, as supervisors should not be compelled to live in public quarters, but if they voluntarily elect to occupy the quarters, rent should be recovered at the rates prescribed in para. 1042, Public Works Code.	22nd do. do. No. 1114 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
W. V. Ruthnam, Accountant, No. I Periyár Division.—Concurring with the Examiner that — has no cause for complaint in the matter of his salary and allowance.	22nd April 1891, No. 1115 W.	11th Mar. 1891, No 1343 C. 1st April 1891, No. 1773 C.
Sheman tank, Trichinopoly.—Proceedings, Local and Municipal Department, stating that the percentage charge for the scrutiny of estimate for removing silt from and rebuilding the southern wall of the — should be recovered from the Municipal Council, Trichinopoly, communicated to the officers concerned.	22nd do. do. No. 1116 W.	......
Sums due to certain Contractors.—The proposal to transfer to the Provincial Revenue the — and unclaimed for the last 15 months, sanctioned.	22nd do. do. No. 1117 W.	......
Contractor Ramasawmy Iyengar, Tanjore Division.—Application of the Superintending Engineer, V Circle, to prosecute — for the recovery of an overpayment of Rs. 345 made to him for certain work, sanctioned.	22nd do. do. No. 1118 W.	......
Budget estimates of the various Port and Marine funds in the Madras Presidency.—Proceedings, Financial Department, reviewing the — for 1891-92, communicated to officers concerned.	22nd do. do. No. 1119 W.	......
Season report of the Chingleput District.—Proceedings, Revenue Department, recording Proceedings of the Board of Revenue submitting letter from the Collector embodying the monthly —, communicated to Superintending Engineer, V Circle.	22nd do. do. No. 1120 W.	......
Famine relief works in the Coimbatore District.—Proceedings, Revenue Department, recording Proceedings, Board of Revenue, submiitting letter from the Collector forwarding a list of —, communicated to the Superintending Engineer, IV Circle.	22nd do. do. No. 1121 W.	......
Kálahasti Zemindari.— Proceedings, Revenue Department, concurring with the Board's remarks on the report of the Deputy Collector on special duty regarding the state of the season and condition of the people in the Rénigunta taluk of the —, communicated to the Superintending Engineer, IV Circle.	22nd do. do. No. 1122 W.	......
Season report of the Tinnevelly District.—Proceedings, Revenue Department, recording Board's Proceedings submitting the — for the month ending 20th March, communicated to the Superintending Engineer, VI Circle.	22nd do. do. No. 1123 W.	......
Season in Chingleput.—Proceedings, Revenue Department, recording Board's Proceedings submitting a further report on the state of the —, communicated to the Superintending Engineer, V Circle.	22nd do. do. No. 1124 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Budget estimates of the Public Works Department.—The Secretary to the Chief Commissioner, Burma, furnished with spare copies of the — for certain years.	22nd April 1891, No. 1125 W.	......
Road over the Ponnankanikulam tank bund, Tinnevelly District.—Proceedings, Local and Municipal Department, sanctioning funds for raising the —, communicated to the Superintending Engineer, VI Circle, and the Examiner of Public Works Accounts with remarks.	23rd do. do. No. 1128 W.	......
School-house at Anantapur.—Proceedings, Local and Municipal Department, referring to the Collector for explanation Proceedings, Public Works Department, forwarding letter from Superintending Engineer, III Circle, regarding the — and requesting to explain the circumstances under which the work was stopped, communicated to the Superintending Engineer, III Circle.	23rd do. do. No. 1130 W.	14th Mar. 1891, No. 1452 C. 11th Mar 1891, No. 701 W. 13th Dec. 1890, Nos. 3310-11 W. 25th Sept. 1890, No. 2535 W. 19th Aug. 1890, No. 2250 W. 16th June 1890, No. 1660 W.
Buildings in the Public Works Department, Burma.—Letter from the Assistant Chief Engineer, Public Works Department, Burma, forwarding one copy of the comparative cost of certain select — and one copy of memorandum of construction and cost of certain bridges, recorded.	23rd do. do. No. 1131 W.	......
Budget estimate of the Harbour Trust Board, Madras.—Proceedings, Financial Department, reviewing the — for 1891-92, recorded.	23rd do. do. No. 1132 W.	10th Mar. 1888, Nos. 867-68 W. 14th Mar. 1889, No. 1321 C. 21st Feb. 1890, No. 978 C. 13th Mar. 1890, Nos. 819-20 W. 28th April 1890, No. 1236 W.
Archæological works in the II Circle.—Report of the Superintending Engineer that there are no — excepting the conservation of the fort at Kondapalli, recorded.	23rd do. do. No. 1133 W.	9th May 1889, No. 1227 W. 12th Dec. 1890, No. 3301 W. 11th Dec. 1890, No. 3291 W. 10th Feb. 1891, Nos. 372-73 W.
Deed of Conveyance.—Ordered that the — of the land and well adjoining the Military cemetery at Bellary be deposited in the General Record Department, Fort St. George.	23rd do. do. No. 1134 W.	......
Light-house at Seven Pagoda.—Stating that the — is in charge of the Superintending Engineer, II Circle, and that the expenditure incurred on it should be transferred to the Buckingham Canal division.	23rd do. do. No. 1135 W.	3rd Mar. 1891, No. 585 W.
Deed of Sale of "Kelvedon Lodge" at Yercaud.—Ordered that the — be deposited in the General Record Department, Fort St. George.	23rd do. do. No. 1136 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Road on the Canal bank in front of the Local Fund Choultry at Pamarru, Masulipatam Taluk.—Proceedings, Local and Municipal Department, passing orders regarding the provision of funds for metalling the —, communicated to the Superintending Engineer, II Circle, and the Examiner of Public Works Accounts.	23rd April 1891, No. 1137 W.	27th Jan. 1891, No. 264 W.
C. Vardarajulu Moodelliar, Storekeeper, No. I Periyár division.—Proceedings, Educational Department, sanctioning the exemption of — from the examination rules so far as it relates to his present employment.	24th do. do. No. 1141 W.	18th Mar. 1891, No. 1506 C. 6th Mar. 1891, No. 1242 C. 27th Jan. 1891, No. 461 C. 13th Dec. 1890, No. 3320 W. 5th Mar. 1889, No. 647 W. 27th Feb. 1889, No. 572 W. 8th Feb. 1889, No. 355 W.
T. Prakasa Moodelliar, Temporary Overseer.—An advance of one month's pay to — on his transfer to the Kistna Eastern division, sanctioned.	24th do. do. No. 1142 W.	......
Claims to special travelling allowance.—The suggestion of the Examiner to lay down in Public Works Code, Appendix N, that controlling officers are responsible for scrutiny of — as regards the question whether the places visited are or are not within the special tracts, approved, and a draft Standing Order ordered to be submitted accordingly.	24th do. do. No. 1143 W.	......
Relief works in the Nellore District.—Proceedings, Revenue Department, approving the instructions issued by the Board of Revenue to the Collector regarding the commencement of certain — and the frequent inspections by the Divisional officers of the affected tracts, communicated to the Superintending Engineer, II Circle.	24th do. do. No. 1144 W.	......
Kálahasti Zemindari.—Proceedings, Revenue Department, recording Proceedings of the Board of Revenue submitting, with remarks, the inspection notes of the Special Deputy Collector of certain villages in the —, communicated to the Superintending Engineer, IV Circle.	24th do. do. No. 1145 W.	......
Report of the Collector on the general prospects of the North Arcot District.—Proceedings, Revenue Department, recording Proceedings, Board of Revenue, submitting, with remarks, the — during March 1891, communicated to the Superintending Engineer, IV Circle.	24th do. do. No. 1146 W.	......
Kálahasti Zemindari.—Proceedings, Revenue Department, recording, with remarks, Proceedings, Board of Revenue, submitting reports of Mr. Buckley and Special Deputy Collector giving results of inspections in the —, communicated to Superintending Engineer, IV Circle.	24th do. do. No. 1147 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
District Gazettes.—Proceedings, Revenue Department, directing to stop sending with — copies of orders of the Local and Municipal Department reviewing municipal and other reports, recorded.	24th April 1891, No. 1148 W.	......
Native Newspapers.—Reports on — for the fortnight ending 31st March 1891, recorded.	24th do. do. No. 1149 W.	......
License providing for landing at Madras No. 2 cable connecting with Penang.—Letter from the Director-General of Telegraphs forwarding a copy of the —, communicated to the Marine and Local and Municipal Departments.	24th do. do. No. 1150 W.	......
Establishment disallowance items.—Office-note from the Examiner, Public Works Accounts, forwarding a statement of — outstanding in the accounts for December 1890, communicated to officers concerned.	24th do. do. No. 1151 W.	17th Jan. 1891, No. 156 W. 20th Mar. 1891, No. 817 W. 6th April 1891, No. 954 W.
Charge of Rs. 2 for a telegram incurred by the Executive Engineer, Cuddapah division.—The Examiner authorised to pass the —.	27th do. do. No. 1155 W.	......
Statements giving data for calculation of rents.—Office-note from the Examiner, Public Works Accounts, informing that — have been issued to all divisions.	27th do. do. No. 1160 W.	19th Dec. 1890, No. 3389 W.
N. Etherajulu Moodeliar, Local Fund Overseer, Cuddapah.—Ordered that the memorial of — to the Secretary of State for India appealing against the orders of this Government declining to grant him certain concessions for service during the late famine, ordered to be forwarded to the Government of India.	27th do. do. No. 1162 W.	19th Feb. 1891, No. 498 W. 17th Jan. 1891, Nos. 148-49 W. 17th Sept. 1890, No. 2480 W. 3rd June 1890, No. 1539 W. 21st Feb. 1890, No. 568 W. 19th Dec. 1889, No. 5929 C. 20th Nov. 1889, No. 5402 C.
Forwarded	27th do. do. No. 1163 W.	......
College of Engineering, Madras.—Proceedings, Educational Department, making certain amendment and addition to article (2) of the rules of the — regarding age, recorded.	27th do. do. No. 1167 W.	11th Aug. 1885, No. 1851 W. 18th Jan. 1886, No. 138 W.
Kaláhasti Zemindari.—Proceedings, Revenue Department, recording, with remarks, Proceedings, Board of Revenue, submitting report of the Special Deputy Collector on the state of the season and on the condition of the people in certain villages of the — inspected by him, communicated to the Superintending Engineer, IV Circle.	27th do. do. No. 1168 W.	......
Kothanadi tank work.—Proceedings, Revenue Department, recording Board's Proceedings submitting explanation of the Collector of Coimbatore as to the cause of the sudden rush of labourers to to the —, recorded.	27th do. do. No. 1169 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Guaranteed appointment to passed students of the College of Engineering, Madras.—Declining to alter the number of — as asked for by P. Subramanya Aiyar.	27th April 1891, No. 1170 W.	18th Jan. 1886, No. 130 W. 3rd Nov. 1890, Nos. 2895-96 W. 7th Feb. 1891, No. 353 W. 7th Feb. 1891, No. 364 W. 9th Feb. 1891, No. 696 C. 12th Mar. 1891, Nos. 711-12 W. 9th Feb. 1891, No. 364 W. 5th Jan. 1891, No. 19 W.
Individuals whose employment has been prohibited by Government.—The Examiner, Public Works Accounts, directed to maintain a register of —.	27th do. do. No. 1171 W.	......
Roads constructed and in course of construction, &c., in 1890.—The Surveyor-General furnished with statement of —.	27th do. do. No. 1172 W.	......
Clerk for the Chingleput division.—The entertainment of a — for three months, sanctioned.	28th do. do. No. 1173 W.	......
K. Kolundavelu Moodeliar, Temporary Overseer.—Directing to reckon the date of — joining his appointment in the Bellary division from the date on which the order of his appointment was received by the Executive Engineer.	28th do. do. No. 1174 W.	13th April 1891, No. 2055 C. 13th Feb. 1891, No. 771 C. 23rd Feb. 1891, No. 1022 C. 12th Mar. 1891, No. 1402 C. 24th Mar. 1891, No. 1681 C. 7th April 1891, No. 1953 C.
Income-tax.—The proposal of the Superintending Engineer, III Circle, to credit to Provincial revenue As. 7-8, erroneously recovered from Raghavendra Moodely, Draftsman of the late Tunghabudra Project, on account of —, sanctioned.	28th do. do. No. 1175 W.	......
Police station-house and huts at Nellicoopum.—The transfer of the — to the Forest Department, sanctioned.	28th do. do. No. 1176 W.	......
Mr. Smyth, Assistant Engineer.—The conveyance by rail of a horse and syce of — from Dindigul to Guntúr, sanctioned.	28th do. do. No. 1177 W.	......
S. Runganatha Moodeliar, Temporary Overseer, I Circle.—An advance of one month's pay to —, sanctioned.	28th do. do. No. 1178 W.	18th Mar. 1891, No. 1543 C.
District Munsif's Court at Karur.—Proceedings, Public Department, informing petitioners protesting against the transfer of the — to Mr. Little, that the building was made over to him for an industrial school, recorded.	28th do. do. No. 1179 W.	25th Sept. 1886, No. 2508 W. 27th Aug. 1888, No. 2630 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(Continued.) 29th Jan. 1891, No. 523 C. 10th Feb. 1891, No. 718 C. 12th Mar. 1891, No. 713 W. 23rd Mar. 1891, No. 1656 C.
Subben, late Lascar, Tanjore Division.—Proceedings, Pension Department, sanctioning an invalid gratuity of Rs. 42 to —, recorded.	29th April 1891, No. 1180 W.	......
Mr. F. R. D'Souza, Accountant.—Proceedings, Pension Department, sanctioning an invalid gratuity of Rs. 400 to —, recorded.	29th do. do. No. 1181 W.	......
"*Fort St. George Gazette.*"—Proceedings, Financial Department, sanctioning the supply of a copy of the — to Mr. Watson, Executive Engineer, Kálahasti sub-division, communicated to the Superintending Engineer, IV Circle.	30th do. do. No. 1184 W.	......
Taluk and Sub-Magistrate's Cutcherries at Guntúr.—Proceedings, Revenue Department, submitting Proceedings, Board of Revenue, communicating letter from the Collector of Kistna reporting that — belong to Government, communicated to the Superintending Engineer, II Circle.	30th do. do. No. 1185 W.	......
Mathematical Instrument boxes.—The Superintendent of Stationery informed that the — supplied to the Kálahasti sub-division are required for the Public Works Department and the supply treated free of charge.	30th do. do. No. 1186 W.	......
Major C. C. Rawson, R.E.—The sanction given by the Chief Engineer for — visiting the Ponnair and Gaddilam bridges on duty, sanctioned.	30th do. do. No. 1187 W.	10th Feb. 1889, No. 2508 W. 27th Feb. 1890, No. 1086 C. 23rd June 1890, No. 1762 W. 31st July 1890, No. 3223 C. 24th Sept. 1890, No. 2533 W. 20th Oct. 1890, No. 2778 W. 1st Dec. 1890, No. 4951 C. 13th Dec. 1890, No. 3319 W. 17th Dec. 1890, No. 5291 C. 2nd Feb. 1891, No. 573 C.
Covers.—Proceedings, Financial Department, communicating extract from a despatch from the Secretary of State drawing attention to the needless cost of postage incurred on account of the thick and heavy — in which papers are sent, recorded.	30th do. do. No. 1188 W.	......

Subject.	Number and Date of Order.	Numbers and Dates of previous Orders.
Sub-Registrar's office at Nattam, Madura District.— The Superintending Engineer, VI Circle, directed to submit the requisite estimate for constructing a —.	30th April 1891, No. 1189 W.	......
Standing Order No. 33 regarding waste land rules in Wynaad.— Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1190 W.	......
Standing Order No. 99 regarding preparation of Indents for stationery articles.—Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1191 W.	......
Standing Order No. 248 regarding land-holding by uncovenanted servants.—Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1192 W.	......
Standing Order No. 11 regarding lands taken up for public purposes.—Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1193 W.	......
Standing Order No. 195 relating to outbreak of cholera or small-pox.—Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1194 W.	......
Standing Order No. 219 —Proceedings, Board of Revenue, amending — regarding the retention by the Treasury Deputy Collector of covering lists of accounts, &c., submitted by Tahsildars, recorded.	30th do. do. No. 1195 W.	......
Standing Order No. 203 regarding refunds.—Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1196 W.	......
Standing Order No 248 regarding land-holding by public servants.—Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1197 W.	......
Standing Order No. 245.—Proceedings, Board of Revenue, amending — regarding the posting of General Duty Deputy Collectors by Collectors, recorded.	30th do. do. No. 1198 W.	......
Standing Order No. 149 regarding Pleader's fees.— Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1199 W.	......
Standing Order No. 111 regarding service of process. —Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1200 W.	......
Standing Order No. 4 regarding water-rate rules in the Kistna and Godávari.—Proceedings, Board of Revenue, amending —, recorded.	30th do. do. No. 1201 W.	......
Standing Order No. 36.—Proceedings, Board of Revenue, amending — regarding redemption of land assessment and creation of freeholds recorded.	30th do. do. No. 1202 W.	......
Vanoogopaul Pillay, Acting Clerk, South Arcot Division.—The extra charge of Rs. 4-1-11, the pay of — from 10th to 22nd September 1890, sanctioned.	30th do. do. No. 1206 W.	19th Mar. 1891, No. 1581 C.

Subjects.	Number and date of Order.	Numbers and Dates of previous Orders.
Tools and plant.—The proposal of the Examiner to introduce a rule to the effect that in all cases of issue of — the statement of tools and plant received and issued should be supported by receiving divisions or departments for articles issued to them, approved.	30th April 1891, No. 1207 W.	....
Ancient Architectural remains.—Intimating that the annual report on — need not be submitted until receipt of revised list of buildings referred to in G.O., No. 186 W., dated 20th January 1891.	30th do. do. No. 1208 W.	29th May 1884, No. 1347 W. 16th Feb. 1888, No. 529 W. 20th Jan. 1891, No. 186 W.
Mr. C. J. R. Watson, Executive Engineer.—An advance of Rs. 25 to —, sanctioned as a special case, and the balance, Rs. 25, of the advance asked for by him, ordered to be granted if found necessary —.	30th do. do. No. 1209 W.	......
Transfer of tools from famine to ordinary.—The proposed — in the Coimbatore division, sanctioned.	30th do. do. No. 1210 W.	8th Dec 1883, No. 2453 C. 7th Nov. 1884, No. 2787 W. 5th June 1890, No. 1552 W. 14th Aug. 1890, No. 2205 W. 10th April 1891, No. 1006 W.